

A photograph of a hallway with three glowing, teardrop-shaped light bulbs hanging from the ceiling. The bulbs are illuminated, casting a warm glow. The hallway walls are dark, and the floor is also dark. The image is overlaid with a semi-transparent, abstract pattern of thin, white, curved lines that resemble a digital or network structure.

# Vantage Lighting Solution

Advanced Lighting Features For Today's Digital Lifestyle

# lighting solution

## overview

At Vantage, our vision drives us to deliver the very best experience in automated lighting control. We accomplish this not only through cutting-edge products and technology but also with outstanding customer service, optimal quality, and exceptional value.

Lighting controls from Vantage provide professional designers with the tools to fully implement their designs, contractors with the powerful hardware and software to install and program these innovative systems, and users with the full control and enjoyment of their luxury spaces through intuitive interfaces.

### InFusion Lighting Solution

IMPE-4-IC36, SDM12-EM, IC-36-II, EQ73TB-TI-II, KS13TE-AWYA, VDA-0143

The cornerstone products of Vantage's InFusion lighting system are:

- InFusion Main Enclosure
- InFusion Controller
- Standard and Universal Dimming Modules
- Additional auxiliary lighting devices
- Vantage's proprietary non-polarized two-wire Station Bus
- Keypads or touchscreens







# lighting

## *core products*

The Vantage lighting control system is easily controlled through Vantage keypads, touchscreens, or apps. Each provides the system owner with quick and intuitive access. Other core products include the main brain of the system, the InFusion Controller, pictured below and Dimming Modules, pictured pages six and seven.



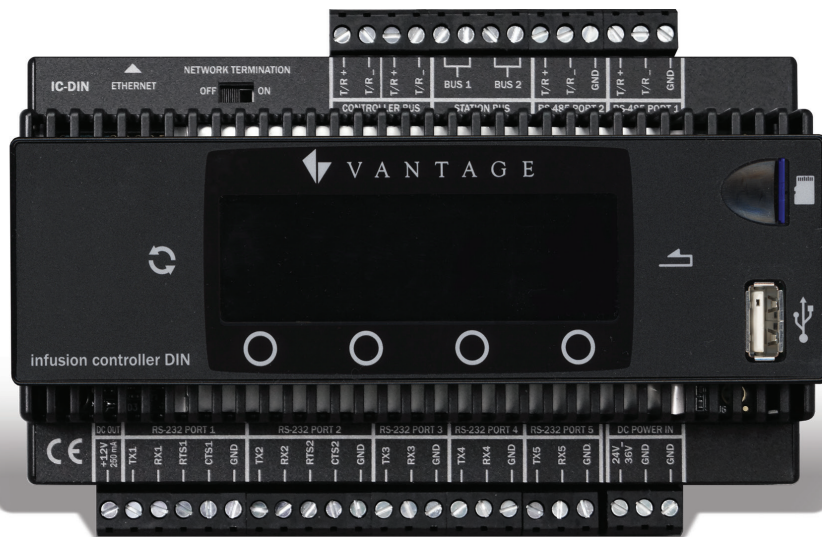
### InFusion Controller

IC-II

The InFusion Controller II offers a wide variety of benefits, including the fast processor speed, RAM, and flash memory required to meet the demands for delay-free control of large, complex systems. One InFusion Controller can support up to 120 WireLink stations and up to 120 RadioLink stations. Controllers can easily network to expand the system to up to 31 controllers.







## InFusion Controller - DIN

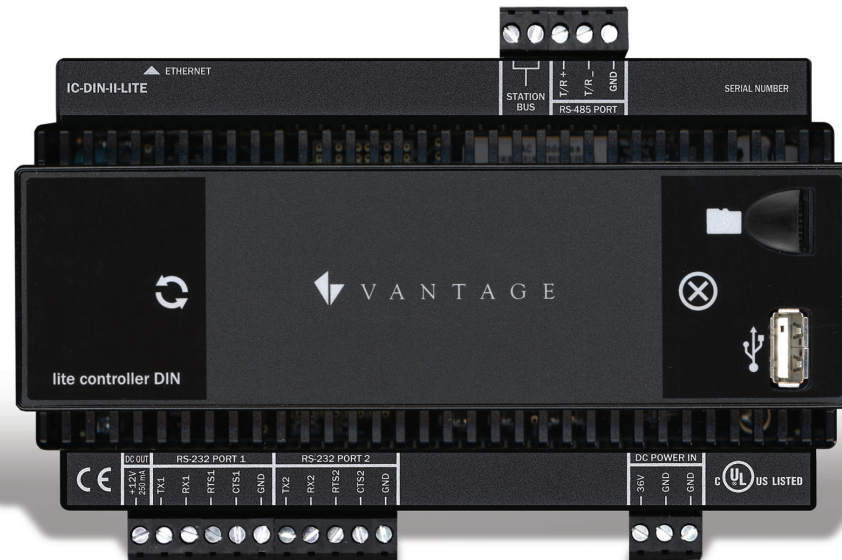
### IC-DIN-II

The InFusion Controller II in the DIN format offers the same benefits as the enclosure-based IC-24-II and IC-36-II with the processor speed, RAM, and flash memory required to meet the demands for delay-free control of large, complex systems in international applications.

## InFusion Controller - DIN-II-LITE

### IC-DIN-II-LITE

The IC-DIN-II-LITE controller is a cost-effective, entry-level controller, designed on the same platform as the current IC-DIN-II controller. It includes a fast processor, two RS-232 ports, memory capacity to support complex automation challenges, built-in Ethernet jack, and a USB port. One IC-DIN-II-LITE supports up to 20 WireLink stations or 15 EQ40s and up to 60 RadioLink stations. It is designed to easily install on standard 35mm DIN rail.



# dimming *precision*

From incandescent to LED, Vantage systems are adept at controlling the widest range of light sources, including support for forward- and reverse-phase source dimming requirements as well as low-voltage 0-10VDC, PWM, and DMX control. Dimmer capacity is designed for both residential and commercial applications.



**12 Load Dimming Module**  
SDM12-EM

The dimming module is mounted in a Main or Secondary Power Enclosure and supports control of up to 12 standard (forward-phase) loads with up to four line feeds and up to 64 total amps of load.



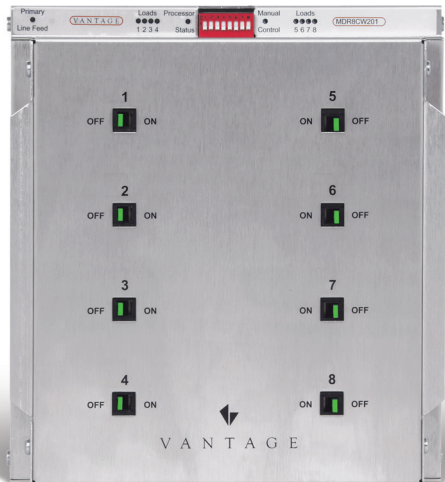
**LED and PWM Low-Voltage Dimmer**  
LVOS-0-10-PWM

The 0-10 PWM Low-Voltage Output Station is used for the control and automation of LED lighting loads requiring either 0-10V or PWM for dimming control. Each station features four 0-10 outputs, four PWM outputs, and four high-voltage relays.

## Universal Dimming Module

UDM08-EM

The InFusion Universal Dimming Module (UDM08-EM) provides load-agnostic phase control as a component of Vantage's centralized lighting control system. It can be mounted in a main or secondary power enclosure and supports control of up to eight dimmable, forward/reverse-phase type loads with up to four line feeds supporting up to 32 amps of total load per module. The module is designed to automatically detect load type—forward- or reverse-phase.



## Latching Relay

MDR8RW101/ MDR8RW201

Vantage's Relay Module provides relay functions on eight individual load channels. Each module is designed to easily plug into a Vantage enclosure, and all AC wiring is terminated into screw terminal connectors within the enclosure. This feature allows the Relay Module to be installed after the building has been finished, eliminating the potential for damage during construction.

High-quality components and thoughtful features like "zero-cross switching," which minimizes wear on the electrical contacts and increases the life of the module, come standard. Two voltage options are available - 120V and 210-277V.



# lighting *enclosures*

## Main and Secondary Power Enclosures

IMPE-4, IMPE-2, IMSE-4, IMSE-2

The InFusion Main Power Enclosure (IMPE) houses the InFusion Controller and two or four separate control modules. The InFusion Secondary Power Enclosure (ISPE) economically extends the load capacity of the Vantage System, extending system capacity from the Main Power Enclosure. Up to six Secondary Enclosures can be connected to one Main Power Enclosure and thereby, one InFusion Controller. This adds up to an additional 288 loads for a single controller.

The enclosures feature terminal blocks for improved in-field plug-and-play installation and service, allowing modules to be quickly replaced without affecting load connections to the system.

## InFusion LiteTouch® Retrofit Insert

LT2VA

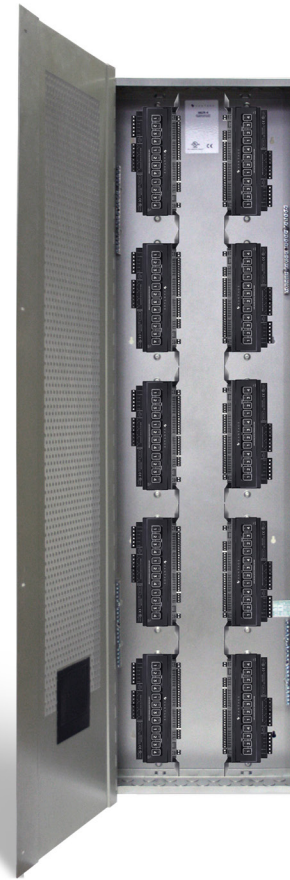
The InFusion LiteTouch Retrofit Insert is designed to easily fit into a LiteTouch® Savant® enclosure and can house up to three separate control modules or up to 36 loads per enclosure. This insert features module locking mechanisms for improved in-field plug-and-play installation and service, allowing modules to be quickly replaced without affecting load connections to the system.

The retrofit inserts are compatible with LiteTouch, so existing user experiences can be maintained, or a full Equinox experience from Vantage can easily be retrofitted.

## Auxiliary Enclosure

IAUX-4

The Vantage Auxiliary Enclosure matches the standard Vantage enclosures in door color and depth. This electrical enclosure comes in configurations of six or ten low-voltage output stations (LVOS-0-10-PWM) as well as other Vantage modules, DIN modules, and third-party products, maintaining a clean, safe installation.

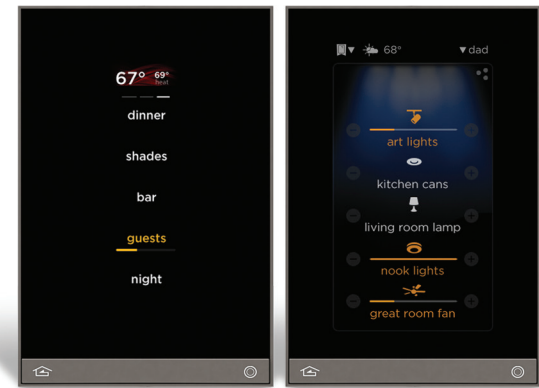


# lighting main *interfaces*



## Standard Keypad

Our unique family of keypads and faceplate styles enhances the capabilities of the Vantage system and also provides a key element to the user experience.



## Equinox 40 Digital Keypad and Equinox 41 Touchscreen

EQ40TB-TI-II and EQ41TB-TI

The Equinox 40 digital keypad and Equinox 41 touchscreen are elegant wall-mounted interfaces for the InFusion lighting and automation system. They feature full-color, capacitive touchscreens and dashboards for quickly accessing lighting, scenes, climate, and other Vantage widgets.



Five buttons viewable; more on second level

Initiate scenes (on, off, toggle, macro)

Text color indicates scene activity

+/- buttons and slider automatically drawn for dimmable scenes

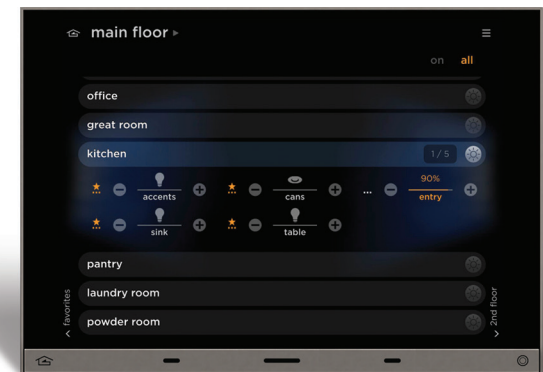
## Widgets

Widgets for Equinox keypads and apps are designed to work specifically with Vantage's dimming and motor control system, so using these core products will guarantee the best possible lighting experience.

## Equinox 73 LCD Touchscreen

EQ73TB-TI-II

The Equinox 73 touchscreen is a beautiful, wall-mounted interface for the InFusion lighting automation system. It features a full-color, capacitive touchscreen for quickly accessing all Vantage widgets.



# main products for *retrofit*



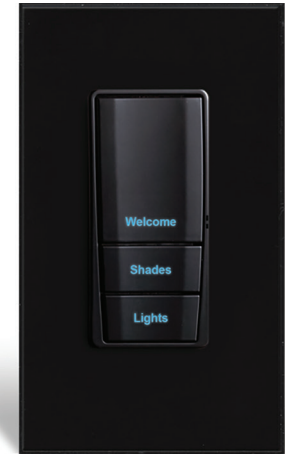
Vantage wireless two-way communication provides fully synchronized on/off and ramp up, ramp down of lighting loads for whole-home applications.

The Vantage RadioLink System provides an ideal solution for full retrofit projects where use of wall box dimmers with existing high voltage wiring is desired. A retrofit design with RadioLink employs wireless ScenePoint wallbox dimmer stations to directly control all lighting loads and to indirectly control any other load or device in the home or office.

## RadioLink Universal ScenePoint Dimmer

RDU13TE-BKYA

The Vantage RadioLink ScenePoint Universal Dimmer is a wall box dimmer, for forward- or reverse-phase lighting loads, that also connects to the Vantage system through the radio frequency (RF) control network via the RF enabler. In existing structures, RadioLink ScenePoint Universal Dimmer stations quickly install in the place of standard light switches without running new wires.



## RadioLink Enabler

RFE-1000

The Vantage RadioLink Enabler is a wireless transceiver that adds two-way radio frequency (RF) communication ability to the Vantage system. Vantage wireless two-way communication provides fully synchronized on/off and ramp up, ramp down of lighting loads for whole-home applications. Keypad to controller communication distances are significantly greater than traditional repeater-based wireless solutions.



## RadioLink AccentPoint Dimmer/Relay

APDIM/APREL

The AccentPoint II Dimmer allows homeowners to independently control two plug-in devices—such as a floor and table lamp—through the Vantage System. Connected via radio frequency (RF) communication, these devices can be controlled by commands received from Equinox touchscreens, keypads, timed events, remote controls, sensors, and more.



# retrofit and remodel *interfaces*



**Equinox Apps**  
EQ-APP-5, EQ-APP-10, EQ-APP-X

The Equinox app and accompanying in-wall touchscreens epitomize the ideal user experience by providing a remarkably simple interface for managing luxury environments. With multiple system widgets available and three navigation levels—the live dashboard, full-screen view, and edit mode—Equinox can dynamically personalize each iPhone, iPad, iPod Touch, or Android mobile device for any profile.

## RadioLink EasyTouch II Keypad RK12XE-xxxx

With two programmable buttons, RadioLink keypads provide scene control for transition areas, such as hallways or pathways, that are traditionally wired with three- or four-way switches. In existing structures, RadioLink keypads quickly install in the place of standard switches without running new wires. RadioLink keypads also fit the needs of any new construction project, allowing for incremental expansion of a system to accommodate almost any design or budget.



**ScenePoint Relay**  
SR23TE-AWYA  
(also available in RadioLink)

The EasyTouch II ScenePoint relay station joins Vantage's premiere line of backlit stations. A ScenePoint Relay can replace a conventional toggle switch with a stylish, programmable station. Each button is evenly backlit with a three-color LED, providing an array of color choices, lighting only the lettering on each button.

## ScenePoint Universal Dimmer DSU13TE-AWYA

The WireLink ScenePoint Universal Dimmer station is a wall box dimmer for forward- or reverse-phase lighting loads. It is powered by the local line feed and may be pre-wired or used to replace a standard high-voltage wall switch. It connects to the Vantage system with two-way communication for centralized control of the lighting circuit via the Vantage two-wire Station Bus.



# lighting *extra features*



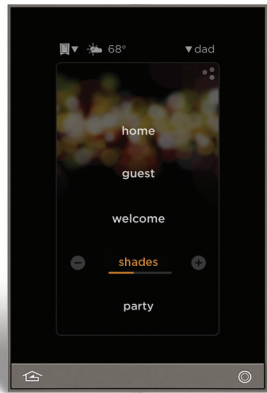
## Expansion

Engineered for expansion with one controller, the centralized lighting system allows for up to 28 modules and 336 loads. Multiple controllers (up to 31), each with its own seven enclosures, can be added together to create a super system.



## Hybrid Solution

The Vantage hybrid lighting control solution provides the ultimate flexibility for installation in new construction—light to full remodel projects and full retrofit opportunities. Incorporating elements of centralized and distributed systems enables sophisticated control at the touch of a button in any construction scenario. This design is perfect for the end user who wishes to start with a more basic system then expand at a later date. It is also particularly effective for extension of a centralized system to areas where it may be difficult to run new wires.



## Equinox Scene Widget

Gives visibility into the home's lighting system through the rich, graphical user interface without over complicating things. It's "always on" and will grow and adapt with you.

- Incandescent
- LEDs
- Halogens
- Magnetic Low-Voltage



DIN DIMMER

DIN RELAY

DIN LVOS

DIN ELECTRONIC

## Variety and Flexibility

For those projects requiring DIN systems, Vantage provides multiple choices for dimming, high-voltage and low-voltage relays, contact input blocks, and more. Our DIN systems offer a high level of flexibility.



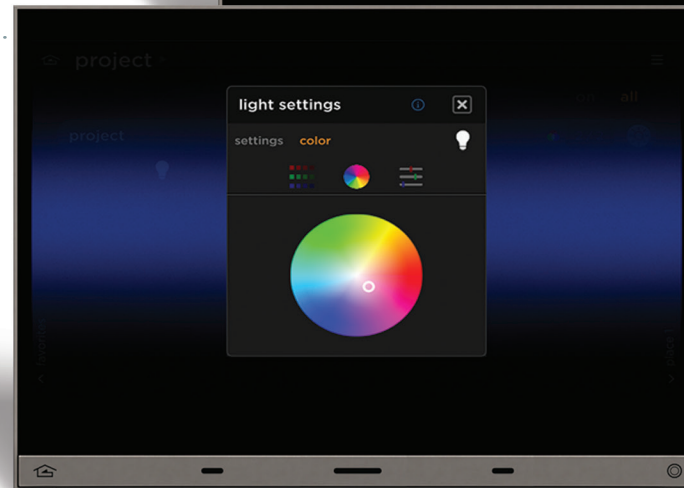
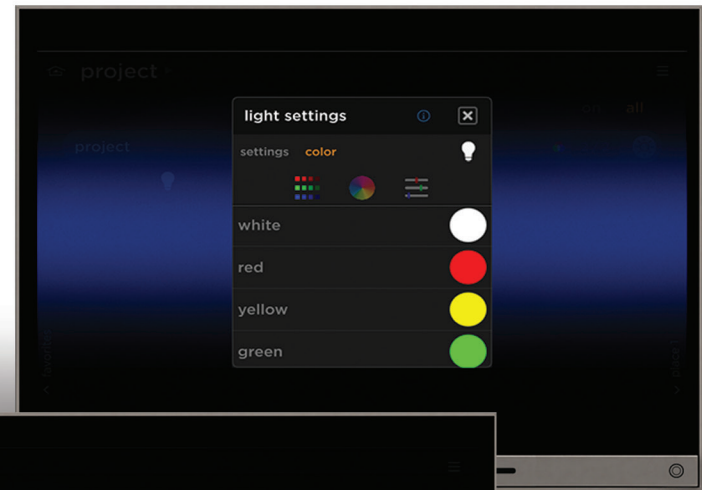
## DMX/DALI Gateway

DMX-DALI-GW

The DMX-DALI-GATEWAY provides a full DMX universe of 512 channels as well as 64 channels of DALI control in one simple solution to manage today's complex lighting systems. Vantage provides the installer more flexibility to integrate either in a DMX platform or a DALI platform or both at the same time if needed. This product is Ethernet based and is a native object inside Design Center, which provides simple setup and programming of the product into any project that requires either DMX or DALI control.

## Color Control Wheel

The lighting color wheel in the Equinox lighting widget allows users to view relationships between primary colors, secondary colors, tertiary colors, etc., for lighting color selection.





# specifications

## InFusion Controller

IC-II



### Lithium Battery Backup

Disk battery CR2032, 3Volt  
2.5 yrs. un-powered or 20 yrs. powered  
(field replaceable)

### Protection

Lightning/surge protection • Static  
shock IO; all ports and case, IEC  
61000-4-2, low-voltage, ITU-T K.20

### Power

36VDC/5.5A or 24VDC/2.5A  
Maximum power draw • 200W  
Minimum power draw • 6W

### Listings

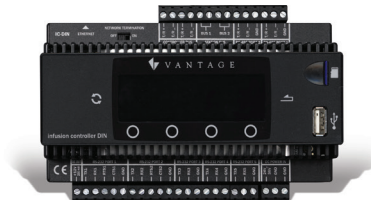
UL, CUL, and CE

### Dimensions, HWD

6.62" x 7.88" x 3.0"  
168mm x 200mm x 76mm

## InFusion Controller - DIN

IC-DIN-II



### Lithium Battery Backup

Disk battery CR2032, 3Volt  
2.5 yrs. un-powered or 20 yrs. powered  
(field replaceable)

### Mounting

35mm DIN rail (EN 50 022: 1977)

### Power

36VDC/5.5A or 24VDC/2.5A

### Listings

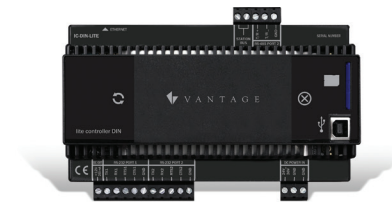
UL, CUL, and CE

### Dimensions, HWD

3.4" x 6.18" x 2.375"  
86mm x 157mm x 60mm

## Lite Controller - DIN

IC-DIN-LITE-II



### Lithium Battery Backup

Disk battery CR2032, 3Volt  
2.5 yrs. un-powered or 20 yrs. powered  
(field replaceable)

### Maximums

Max length of each controller to controller  
bus network • 300 feet (100 meters) -  
CAT5E wire  
Max # WireLink Stations 36V • Up to 20  
Stations or 16 EQ40s on the bus - no station  
more than 1,000 feet from controller

### Mounting

35mm DIN rail (EN 50 022: 1977)

### Power

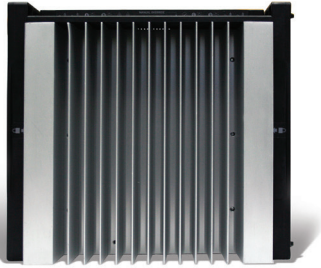
36VDC/2.75A

### Dimensions, HWD

3.4" x 6.18" x 2.375"  
86mm x 157mm x 60mm

## Dimming Module

SDM12-EM



### Load Types

- Incandescent
- LED
- Fluorescent
- Magnetic low-voltage
- Cold cathode
- HID
- Constant-speed motors

### Power

- Loads • 12
- Maximum line feeds • 4 @ 20 A (max) breakers
- Min load • 5W@120V / 12W@277V
- Maximum load • 5W@120V / 12W@277V

### Listings

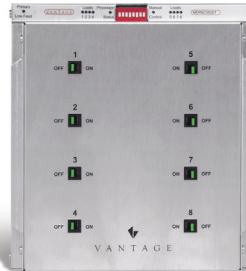
- UL
- CUL
- SCCR Rating • 65KA
- Title 24 compliant

### Dimensions, HWD

- 7.63" x 9.44" x 3.75"
- 194mm x 240mm x 95mm

## Relay Module

MDR8CRW301



### Load Types

- Incandescent
- Fluorescent
- Cold cathode
- HID
- Constant-speed motors

### Power

- Loads • 8
- Voltage • 120/277V (60/50Hz)
- Maximum amperage per module • 160A (19200W@120V), (44320W @ 277V), (38400W @ 240V)
- Maximum individual load amperage • 20A (2400W @ 120V), (5540W @ 277V), (4800W @ 240V)
- Line feeds • 8 @ 20A (max) breakers

### Listings

- UL
- CUL

### Dimensions, HWD

- 7.62" x 6.9" x 2.375"
- 194mm x 175mm x 60mm

## Universal Dimming Module

UDM08-EM



### Load Types

- Incandescent
- LED
- Fluorescent
- Halogen
- Constant-speed motors
- Standard ballast
- Magnetic transformers
- Electronic ballast

### Power

- Loads • 8

### Maximum Line Feeds

- 4 @ 20A (Maximum) breakers

### Minimum Load

- 1W @ 120V/3W @ 277V

### Manual Override

- Load by load selectable

### Status Indicators

- Manual override
- Load by load selectable

### Listings

- UL
- CUL
- CE
- SCCR Rating • 5KA

### Dimensions, HWD

- 7.63" x 9.44" x 3.75"
- 194mm x 240mm x 95mm

## LED and PWM Low-Voltage Dimmer

LVOS-0-10-PWM



### Input Power

Universal • 120-277VAC, 50-60Hz

### Low-Voltage Outputs

(0-10) low-voltage outputs • 4 (0-10V @ 100mA sink or source)

Output • 50@ 2mA per load, typical

PWM low-voltage outputs • 4

Output voltage • 12V (Source Only)

Output current • 100mA per channel, 400mA total  
IEC 60929 Annex E Standard

### High-Voltage Outputs

High-voltage relays (120-277VAC) • 4

General purpose load rating • 10A

Incandescent load rating • 5A

### Inputs

Auxiliary • 4 dry contacts (3 and 4 may be for an IR receiver and light sensor respectively)

Override • 2 (On and Off Contacts)

### Listings

UL

CE

### Dimensions, HWD

Station only 3.32" x 10.34" x 2.667"  
84mm x 263mm x 68mm

Wallbox 9.0" x 10.5" x 2.75"  
229mm x 267mm x 70mm

## DMX Dali Gateway

DMX-DALI-GATEWAY



### DMX Bus

512 channels of support and supports RDM technology

### DALI Bus

64 channels of support, with built-in 125mA power supply or manage 1-16 groups

### Ethernet

10/100 Mbit base-T full duplex auto negotiation

### Maximum Power Draw

500mA

### Minimum Power Draw

40mA

### Voltage

12VDC - 48VDC (320mA-80mA)

Auto LED intensity • Built-in/standard

### Listings

CE

### Dimensions, HWD

3.4" x 2.8" x 2.3"

86mm x 70mm x 58mm

## Related Products

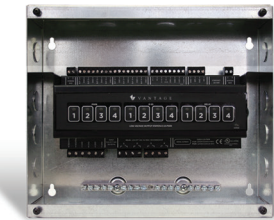
### Surface Mount Enclosure

ISME-24, ISME-36



### LVOS and Enclosure

LCOS-0-10-PWM-1



### Contact Input Station

CIS10-DIN



### Low-Voltage Relay

LVRS8-DIN





## ScenePoint Universal Dimmer/ RadioLink Universal Dimmer

DS13TE-AWYA (Shown)



### Load Types

- Incandescent
- LED
- Dimmable CFL
- Magnetic low-voltage
- Dimmable ballasts
- Fluorescent (relay mode only)
- Neon/Cold Cathode (lpf)
- Constant-speed motors (relay mode only)

### Minimum Load Required

2W @ 120V or 4W @ 240V • 5W @ 277V

### Maximum Load (Incandescent Loads)

5.8A (700W @ 120V), 4.3A (1032W @ 240V),  
4.3A (1200W @ 277V)

### Maximum Load (LED Loads)

3.5A (420W @ 120V), 2.6A (624W @ 240V),  
2.6A (720W @ 277V)

### Maximum Load (Transformer Magnetic Loads)

4.7A (560W @ 120V), 3.5A (826W @ 240V),  
3.5A (960W @ 277V)

### Power

Voltage • 120/240 V - 60/50 Hz • 240V/277V - 60/50Hz

### Dimensions, HWD

Station only	Faceplate only
4.1" x 2.3" x 1.48"	4.6" x 2.9" x 0.26"
104mm x 58.4mm x 37.6mm	116.8mm x 73.7mm x 6.6mm

## RadioLink Keypad

RK12xE-xxxx



### Power

Voltage • 120/240 V - 60/50 Hz

### Backlit Buttons

- Color LEDs • 3
- Auto LED intensity • Built-in/standard

### IR Receiver

Yes • Built-in/standard

### Station Equivalent

0.36W on IC-24/0.54W on IC-36

### Listings

- UL
- CUL

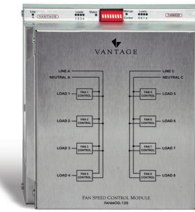
### Dimensions, HWD

One gang  
4.3" x 2.5" x 1.38"  
109mm x 64mm x 35mm

Two gang  
4.3" x 4.3" x 1.38"  
109mm x 109mm x 35mm

## Additional Products

### Fan Module FANMOD



### Power Booster

STPERW101/STPERW201



### Secondary Enclosure

ISME-4

### 2-Wire Station Bus

VDA-0143



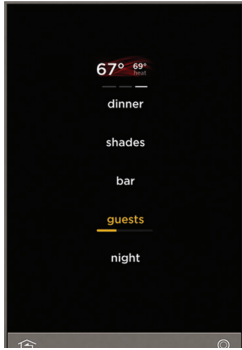
### Master Jumper Terminal Board

MJTB



## Equinox 40 Digital Keypad

EQ40TB-TI-II



### Display

4.3" diagonal  
Active matrix color LCD

### Features

Up to 3 swipeable pages  
Single-layer mini-widget UI

### Controls

Hard buttons • 2 (1 home, 1 programmable)  
Header mini-widget (climate, clock, weather)  
Scenes mini-widget

### Sensors

Proximity  
Light (for screen brightness)

### Connections

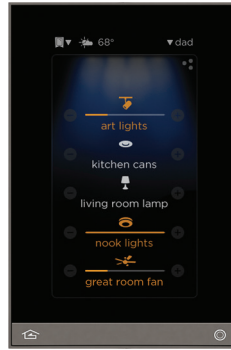
Station Bus • 1  
Auxiliary • 1

### Wall Dimensions

3.54"W x 4.72"H  
0.45" off wall

## Equinox 41 Touchscreen

EQ41TB-TI



### Display

4.3" diagonal  
Active matrix color LCD

### Features

Single-layer widget UI  
Profiles for users, areas, time of day, system type, or language

### Controls

Hard buttons • 2 (1 home, 1 programmable)  
Full Widgets: lighting, scenes, timers, shades, climate, weather

### Sensors

Proximity  
Light (for screen brightness)

### Connections

RJ45 (PoE) • 1

### Wall Dimensions

3.54"W x 4.72"H  
0.45" off wall

## Equinox 73 Touchscreen

EQ73TB-TI-II



lighting full screen shown above

### Display

7.1" diagonal  
Active matrix color LCD

### Features

Triple-layer widget UI  
Live dashboard  
Three layer  
Profiles for users, areas, time of day, system type, or language  
Personalizable UI for each user

### Controls

Hard buttons • 2 (1 home, 1 programmable)  
Full widgets: lighting, scenes, timers, shades, climate, weather

### Sensors

Proximity  
Light (for screen brightness)

### Connections

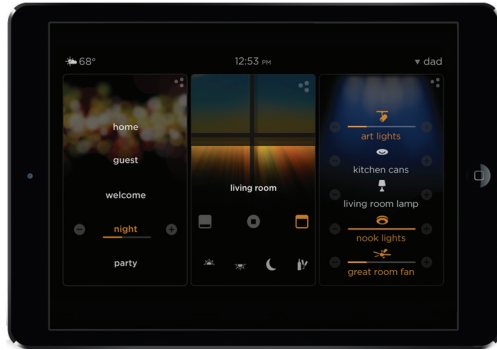
RJ45 (PoE) • 1

### Wall Dimensions

8.54"W x 4.72"H  
0.45" off wall

## Equinox App - iPad, Android

EQ-APP-5, EQ-APP-10, EQ-APP-X



dashboard shown above

### Compatibility

Apple, Android

### Features

- Triple-layer widget UI
- Live dashboard
- Three layer
- Profiles for users, areas, time of day, system type, or language
- Personalizable UI for each user

### Controls

Full widgets: lighting, scenes, timers, shades, climate, weather

### Licensing

**Device License:** A device license allows a single device to be connected to a Vantage system

**Multi-License:** A multi-license app enables any number of supported devices to function as an interface when they are connected to a single InFusion system



## Equinox App - iPhone, Android

EQ-APP-5, EQ-APP-10, EQ-APP-X



scenes widget shown above

### Compatibility

Apple, Android

### Features

- Triple-layer widget UI
- Live dashboard
- Three layer
- Profiles for users, areas, time of day, system type, or language
- Personalizable UI for each user

### Controls

Full widgets: lighting, scenes, timers, shades, climate, weather

### Licensing

**Device License:** A device license allows a single device to be connected to a Vantage system

**Multi-License:** A multi-license app enables any number of supported devices to function as an interface when they are connected to a single InFusion system



## Lighting Partners



### LED

- AitLED
- Cree
- Color Kinetics
- Damar
- DMF Lighting
- Element
- Elite
- GM
- Halo
- Havells Sylvania
- Imtra
- Innovative
- Juno
- LEDNovation
- Lightolier
- Liton
- No8
- Phillips
- Progressive Lighting
- Prolume

### LED (continued)

- SSL
- Soraa
- Sylvania
- Toshiba
- USA Illuminations
- WAC Lighting
- Xicato

### DMX

- Color Kinetics
- Converging Systems
- InterfacePoint, Vantage
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