



VANTAGE



# Vantage Lighting

Advanced Lighting Features For Today's Digital Lifestyle

# lighting solution overview

Architects and lighting designers have long understood the power of light and its ability to define, highlight and transform architecture. To manipulate light in such a way as to simultaneously evoke subtlety and complexity requires a serious understanding of light.

Lighting automation from Vantage provides professional designers with the tools to fully implement their designs; contractors the powerful hardware to install and program, and users with the full enjoyment of their luxury spaces through intuitive interfaces.

## InFusion Lighting Solution

IMPE-4-IC36, SDM12-EM, IC-36-1, EQ73TB-TI

The cornerstones of Vantage's InFusion lighting system are the InFusion Main Enclosure, Standard Dimming Module, the InFusion Controller and additional auxiliary lighting devices.





# lighting system core products

From incandescent or halogen to LED, Vantage systems are adept at controlling the widest range of light sources. Dimmer capacity is designed for both residential and commercial applications.



**12 Load Dimming Module**  
SDM12-EM

Vantage's InFusion Standard Dimming Module is a key component of Vantage's lighting control solution. 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 0-10 or PWM for dimming control. Each LVOS features four 0-10 outputs, four PWM outputs and four high-voltage relays.

# retrofit lighting system core products

The Vantage RadioLink System provides an ideal solution for full retrofit projects where use of existing high voltage wiring is desired. A retrofit design with RadioLink utilizes 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.



**RF Enabler**  
RFE-1000

The Vantage RadioLink Enabler is a wireless transceiver that adds radio frequency (RF) communication ability to a standard wired Vantage system. With RadioLink, small transceivers are built into the Vantage products offering automation for lighting, audio/video, draperies, blinds, security, heating, cooling and more. By connecting a RadioLink Enabler to an existing Vantage main controller, RF enabled keypads and other station devices are able to communicate with the system.



**ScenePoint Dimmer**  
DS13TE-AWYA

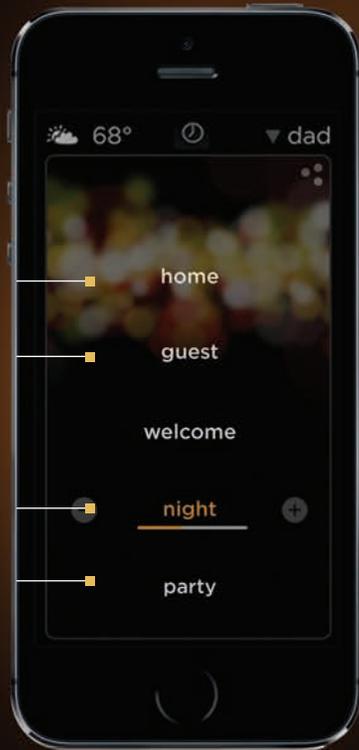
The Wirelink ScenePoint station is a standard wall box dimmer that also connects to the Vantage system. It is powered by the local line feed, and may be pre-wired or replace a standard high-voltage wall switch. It also connects to the Vantage system with two-way communication for centralized control of the lighting circuit via the Vantage two-wire station bus.



**AccentPoint Dimmer**  
APDIM-GU

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

# lighting system interfaces



- Five buttons viewable
- Initiate scenes (on, off, toggle, macro)
- Text color indicates scene activity
- +/- Buttons and slider automatically drawn for dimmable scenes

## Widgets

Widgets for Equinox 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.



**Standard Keypad**  
KS-xxx

Our unique family of keypads and faceplate styles not only enhance the capabilities of the Vantage system but also provide a key element of the user experience.



**Equinox 40 and 41 Digital Keypads**  
EQ40TB-TI and EQ41TB-TI

The Equinox 40 keypad and 41 touchscreen are beautiful wall-mounted interfaces for the InFusion lighting and dimming system. They feature full color, capacitive touchscreens and dashboards for quickly accessing lights and scenes.

**Equinox 73 Touchscreen**  
EQ73TB-TI

The Equinox 73 touchscreen is a beautiful wall-mounted interface for the InFusion lighting and dimming system. It features a full color screen, capacitive touch screen and scene dashboard for quickly accessing lights. You can easily control all the lights in the room, in the home or both.



# retrofit lighting system user interfaces



## Equinox Apps

EQ-APP-5

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™ and iPod Touch™ or mobile Android device for any profile such as person, area, function or time.



## RadioLink Dimmer

RD13TE-BKYA

The Vantage RadioLink ScenePoint Dimmer is a standard wall box dimmer that also connects to the Vantage system through the RF control network. In existing structures RadioLink ScenePoint dimmer stations quickly install in the place of standard light switches without running new wires. The dimmer station is powered by the local line feed, and allow for incremental expansion of a system to accommodate almost any design or budget.



## ScenePoint Relay

SR23PE-AWYA

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.

# lighting extra features

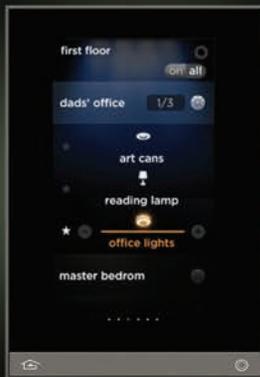


## Expansion

Engineered for expansion, with one controller, the centralized lighting system allows for up to 28 modules and 336 loads. Multiple controllers (up to 15), each with its own seven enclosures, can be added together to create a system that is scalable to meet the most demanding project requirements.

## Hybrid Solution

The Vantage Hybrid Control and Automation System provides the ultimate flexibility for installation in new construction, light to full remodel projects, and full retrofit opportunities. Utilizing 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 and then enlarge it at a later date; and for extension of a centralized system to areas where it is difficult to run new wires.



## Equinox Lighting Widget

Gives visibility into the home's lighting system through the rich UX 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 DIMMER

## Variety and Flexibility

For those projects needing a smaller control system form factor but still wishing to maintain a precise lighting control solution and also utilize the variety of beautiful Vantage interfaces, the DIN (Deutsche Industrial Norm) system from Vantage provides a great option. With multiple choices for dimming, HV and LV relays, contact input blocks and more, the DIN system allows a high level of flexibility.

# specifications

## Dimming Module SDM12-EM



### Loads

12 Per Module, 48 Per 4 Module Enclosure

### Load Types

Incandescent  
LED  
Fluorescent  
Magnetic Low-Voltage  
Cold Cathode  
HID  
Constant Speed Motors

### Power

4 Line Feeds @ 20 A (max)  
Module • 64A (7680W@120V)  
Load • 16A (1920W@120V)  
Min Load • 5W@120V / 12W@277V  
Voltage • 20-277V ~ 60/50Hz

### Protection

Fuse Per Line  
MOV Surge  
Thermal Shutdown  
Short Circuit  
Snubber Circuit  
Lightning Surge High-Voltage, IEEE C62.41; (6000V & 3000A)  
Lightning Surge Low-Voltage, ITU-T K.20  
Chokes • 12 EMI Suppression

### Status Indication

Line Power  
Fuse Status  
Load Power  
Over Temp  
Microprocessor  
Manual Override  
Overload

### Miscellaneous

Weight • 5.7 lbs (2.6 kg)  
Ambient Operating Humidity • 5-95% Non-Condensing  
Ambient Operating Temperature • 32-104°F (0-40°C)  
Manual Override • Load by Load Selectable  
Cooling, Convection • 36" Front Clearance

### Listings

UL  
CUL  
SCCR, 65KA  
Title 24 Compliant

### 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

### Power Consumption

16W

### LED Indicators

Microprocessor Status, Configuration, Load

### 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)

### UL/CE Listed

Yes

### Connections

Ethernet Bus • RJ45 - Auto Crossover Detection 10/100

Station Bus • 24V/36V Station Bus

Station Equivalent InFusion • 0.35W On UC-24 / 0.55W On IC-36

### Wiring Specifications

Can be wired using either Ethernet Bus or Station Bus

Station Bus Wiring Minimum • 2 Conductor, 16 AWG Stranded, Non-Shielded Twisted Pair, 30 pF/Foot Max, UL Rated CL2

Station Bus Topology • Any combination of daisy chain, star or branch - Station Bus should be separated a minimum of 18" from other parallel communication

### Miscellaneous

Weight • 5.85 lbs (2.65 kg)

### Operating Ranges

Operating Humidity • 90% Non-Condensing

Operating Ambient Temperature • 32°-104°F (0° to 40°C)

Typical Control Accuracy • ± 1°F at 68°F / ± 0.5°C at 20°C

### 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

# specifications

## ScenePoint Dimmer DS13TE-AWYA (Shown)



### Loads

12 Per Module, 48 Per 4 Module Enclosure

### Load Types

Incandescent  
Magnetic Low-Voltage  
Forward Phase Fluorescent Dimming Ballasts  
Non-Dimmable Fluorescent Ballasts (Relay Mode Only)  
Neon  
Cold Cathode (Ipf)  
HID

### Maximum Load

5A (600W @ 120V) or 5A (1200W @ 240V)

### Minimum Load Required

15W

### Power

Voltage • 120/240 V - 60/50 Hz

### Protection

Zero Cross Built-In Arc Suppression  
Lightning Surge High-Voltage • IEEE C62.41; (6000V & 3000A)  
Lightning Surge Low-Voltage • ITU-T K.20

### Backlit Buttons

Color LEDs • 3

### IR Receiver

Yes • Built-In/Standard

### Safety Off Switch

Load by Load Selectable

### Station Bus Specification

24V/36V Station Bus  
2C 16AWG, Non-Shield, <30pF Per Foot - Station Bus should be separated a minimum of 12" from other parallel communication and/or high-voltage runs

### Miscellaneous

Weight, 4.9 oz (139 g)  
Ambient Operating Humidity • 5-95% Non-Condensing  
Ambient Operating Temperature • 32-95°F (0-35°C)  
Manual Override • Load by Load Selectable  
Cooling, Convection • 36" Front Clearance  
Station Equivalent • 0.36W on IC-24 0.54W on IC-36

### Station Wiring Configuration

Daisy-Chain/Star/Branch

### Status Indicator

Microprocessor Status LED

### Listings

UL  
CUL

### Dimensions, HWD

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

Equinox 40 Digital Keypad  
EQ40TB-TI



**Display**

4.3" Diagonal  
Active Matrix Color LCD

**Features**

Up to 3 Swipable Pages  
Single Layer Mini-Widget UI

**Controls**

Hard Buttons • 2 (1 Home, 1 Programmable)  
Header Mini-Widget (Climate, Clock, Weather)  
Scenes Mini-Widget  
Audio Mini-Widget

**Sensors**

Proximity  
Light (for Screen Brightness)

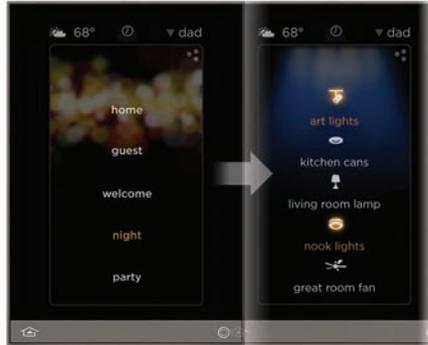
**Connections**

Station Bus • 1  
Auxiliary • 1

**Wall Dimensions**

3.54"W x 4.72"H  
0.45" Off-Wall

Equinox 41 LCD Touchscreen  
EQ41TB-TI



scenes and lighting widget shown above

**Display**

4.3" Diagonal  
Active Matrix Color LCD

**Features**

Single Layer Widget UI

**Controls**

Hard Buttons • 2 (1 Home, 1 Programmable)  
Full Mini-Widgets:  
Audio, Climate, Scenes, Weather, Video,  
Cameras, Security, Energy, Theater

**Sensors**

Proximity  
Light (for Screen Brightness)

**Connections**

RJ45 (PoE) • 1

**Wall Dimensions**

3.54"W x 4.72"H  
0.45" Off-Wall

LED & DMX Lighting Partners



**LED**

AltLED  
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  
Sora  
Sylvania  
Toshiba  
USA Illuminations  
WAC Lighting  
Xicato

**DMX**

Color Kinetics  
Converging Systems  
InterfacePoint, Vantage

Equinox 73 Touchscreen  
EQ73TB-T1



lighting widget shown above

**Display**

7.1" Diagonal  
Active Matrix Color LCD

**Features**

Three Layer UI (Dashboard, Full Screen, Edit Mode)  
Profiles for Users, Spaces, Functions and Time  
Personalizable UI for Each User

**Controls**

Hard Buttons • 2 (1 Home, 1 Programmable)  
Full Mini-Widgets:  
Audio, Climate, Scenes, Weather, Video,  
Cameras, Security, Energy, Theater

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



scenes widget shown above

**Compatibility**

Apple, Android

**Features**

Triple Layer Widget UI  
Profiles for Users, Spaces, Functions and Time  
Personalizable UI for Each User

**Controls**

Full Mini-Widgets:  
Audio, Climate, Scenes, Weather, Video,  
Cameras, Security, Energy, Theater

**Licensing**

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

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



Equinox App - iPhone  
EQ-APP-5, EQ-APP-10, EQ-APP-X



scenes widget shown above

**Compatibility**

Apple, Android

**Features**

Triple Layer Widget UI  
Profiles for Users, Spaces, Functions and Time  
Personalizable UI for Each User

**Controls**

Full Mini-Widgets:  
Audio, Climate, Scenes, Weather, Video,  
Cameras, Security, Energy, Theater

**Licensing**

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

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



# related products

In addition to the core products featured on page three; a complete Vantage lighting solution will also contain the products listed below.

InFusion Controller  
IC-36-1



InFusion DIN Controller  
IC-DIN



Enclosure  
IMPE-4-IC24



2-Wire Station Bus  
DA1458



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



Living Perfection  VANTAGE

1061 South 800 East  
Orem, Utah 84097  
800.555.9891  
801.229.2800  
801.224.0355 fax

Vantage EMEA nv/sa  
Binnendijk 40  
B-9130 Beveren  
Belgium  
+32 3 773 31 06

[www.vantagecontrols.com](http://www.vantagecontrols.com)

©2013 by Vantage. All Rights Reserved.  
Part# 130xxxxRev\_A DM/DG 10/13