CEN-IDOCV-DSW

Wall Mount Interface for Apple iPod®

The CEN-IDOCV-DSW provides an extraordinary interface and control solution for the popular Apple® iPod® personal media player[1] in an elegant flush wall mount design. It features a built-in, recessed docking station with audio, video, USB, and high-speed Ethernet connectivity for full integration with a Crestron® whole-house AV system[2].

The CEN-IDOCV-DSW uses the latest Apple authentication chip, enabling high speed music library browsing and compatibility with the latest Apple products and features. The chip supports 6th generation (and later) iPod classic®, and any iPod nano®, iPhone® or iPod touch®.[3]

Easy Docking
Simply placing the iPod into the docking station instantly connects it for sharing with speakers and video monitors throughout the home or office.

Touchpanel Control
Integrating the iPod with a Crestron system enables full control and navigation using touchpanels, **APAD**s, keypads, computers, and handheld remotes. From any touchpanel, you can search the entire iPod library by genre, artist, album and track, and even view album cover art[4].

Local Mode
Engage the LOCAL button on the front of the CEN-IDOCV-DSW to allow navigation control directly on the iPod device without undocking. Using an iPhone or iPod touch, LOCAL mode lets you run all your apps so you can enjoy Internet radio and YouTube™ through you whole-house AV system.

Local Volume Control
Simple volume control is enabled using the VOL rocker button on the front of the CEN-IDOCV-DSW, so it's not necessary to install a separate touchpanel or keypad nearby just to control the iPod audio level.

Sync to iTunes® over Ethernet
Using USB-over-IP technology and **Crestron Sync**, the CEN-IDOCV-DSW allows the iPod to connect with any networked computer running Apple iTunes software right from the docking station. Syncing the iPod to iTunes works the same as if it were hooked up with a USB cable, affording full capabilities for organizing and transferring music and video files, podcasts, audio books, and playlists anytime you want.

Instructions and download

Audio and Video Distribution
The CEN-IDOCV-DSW allows stereo audio, composite video, and component video signals to be fed from the iPod to your home theater or multiroom distribution system.[2]

Crestron Home® CAT5 Balanced AV
Crestron Home (CH) CAT5 Balanced technology allows the CEN-IDOCV-DSW to be located up to 500 feet from the central equipment, interfacing directly with other CH-compatible devices like the Crestron **CNX-BIPAD8** and **CNX-PVID8** using ordinary CAT5 type wire. Connecting the CEN-IDOCV-DSW to conventional AV equipment, or to a Crestron Adagio® Home Entertainment system, is facilitated using the **ABAR-1** Balanced Audio Receiver[5] and **ABVR-1** Balanced Video Receiver[5].

Adagio® Plug-and-Play
The CEN-IDOCV-DSW affords easy plug-and-play setup as part of a complete Adagio system. Without any programming, Adagio delivers full access and control of the docked iPod from every room.

Power over Ethernet
For operation and charging the iPod battery, the CEN-IDOCV-DSW gets its power right through the LAN wiring using 802.3af PoE technology. PoE (Power over Ethernet) eliminates the need for a separate wall-wart power supply or dedicated power wiring. A PoE Injector (**PWE-4803RU** optional) simply connects inline with the LAN cable, allowing for installation at any convenient location. For applications with multiple CEN-IDOCV-DSWs or other PoE-powered devices, a Crestron 5-port PoE switch (**CEN-SW-POE-5** [5]) may be used, allowing up to 4 devices to be powered from a single location.

Versatile Wall Mount Design
The CEN-IDOCV-DSW is designed for easy recess-mount installation in a wall or similar flat, vertical surface using one of two available mounting kits. The mounting options include the **BB-IDOCV-DSW** back box[5], and the **WMK-BB-IDOCV-DSW** post-construction mounting kit[5].

> "Made for iPod" AV and control interface

> Stylish in-wall docking station

> Enables full 2-way touchpanel control of the iPod

> Displays metadata and album cover art[4]

> Plays audio throughout the home or office[2]

> Allows viewing of video files on a video touchpanel or display[2]

> Syncs to iTunes® over Ethernet

> Charges the iPod battery

> Allows local navigation and volume control

> Includes Crestron Home® CAT5 Balanced AV connectivity

> Affords plug-and-play integration with Adagio® systems

> PoE network powered

CRESTRON

> Available in white or black

SPECIFICATIONS

Compatibility

iPod:

Computer: Crestron Sync software is compatible with Mac® OS X v1.5, Windows® XP, and Windows Vista®

Audio
Signal Types: Analog stereo output via Crestron 'CH' CAT5 Balanced Audio port[2]

Video
Signal Types: Composite and Component (YPbPr) outputs via Crestron 'CH' CAT5 Balanced Video port[2]

Ethernet
10BaseT/100BaseTX, static IP or DHCP, DNS, full duplex, auto-switching, auto-negotiating, auto-discovery, TCP/IP, CIP, IEEE 802.3af compliant

Connectors
LAN PoE: (1) 8-wire RJ45 with 2 LED indicators;
10BaseT/100BaseTX Ethernet port, 802.3af Power over Ethernet compliant;
Green LED indicates link status;
Yellow LED indicates Ethernet activity
CH AUDIO OUT: (1) 8-wire RJ45 female, shielded;
CAT5 balanced stereo audio output port;
Connects to any "CH" CAT5 audio input port or bidirectional audio port;
Maximum Cable Length: 500 ft
CH VIDEO OUT: (1) 8-pin RJ45 female, shielded;
CAT5 balanced video output port;
Formats: Composite, component (YPbPr);
Connects to any "CH" CAT5 video input port;

COMPUTER: (1) USB Type B female;
Located in docking bay behind faceplate;
USB 2.0 port (cable included)

Docking Port
30-pin female iPod connector;
Accepts standard Apple dock adapters (not included);
Provides 2-way communications, audio, video, and power link to iPod

Controls & LED Indicators
LOCAL: (1) Pushbutton & green LED, enables local control mode using the iPod UI
VOL: (1) Programmable rocker button for up/down volume control
PWR: (1) green LED behind front cover, indicates power supplied from PoE
RESET: (1) Recessed miniature pushbutton behind front cover for hardware reset

Power Requirements
Power over Ethernet: IEEE 802.3af Class 0 PoE Powered Device

Environmental
Temperature: 41° to 113°F (5° to 45 °C)
Humidity: 10% to 90% RH (non-condensing)
Heat Dissipation: 14 BTU/Hr

Enclosure
Injection-molded plastic; requires **BB-IDOCV-DSW** or **WMK-BB-IDOCV-DSW** wall mounting kit[5]

Dimensions
Height: 5.84 in (149 mm)
Width: 4.74 in (121 mm)
Depth: 3.09 in (79 mm)

Weight
12.7 oz (360 g)

Available Models
CEN-IDOCV-DSW-B-T: Wall Mount Interface for Apple iPod®, Black
CEN-IDOCV-DSW-W-T: Wall Mount Interface for Apple iPod®, White
CEN-IDOCV-DSW-PWE-B-T: Wall Mount Interface for Apple iPod® w/PoE Injector, Black
CEN-IDOCV-DSW-PWE-W-T: Wall Mount Interface for Apple iPod® w/PoE Injector, White

Included Accessories
CRESTRON-SYNC Crestron Sync Software for Apple® iTunes®
[Included Quantity for CEN-IDOCV-DSW-B-T, CEN-IDOCV-DSW-PWE-B-T, CEN-IDOCV-DSW-PWE-W-T, CEN-IDOCV-DSW-W-T: 1]
PWE-4803RU PoE Injector
[Included Quantity for CEN-IDOCV-DSW-PWE-B-T, CEN-IDOCV-DSW-PWE-W-T: 1]

Available Accessories
BB-IDOCV-DSW: Pre-Construction Wall Mount Back Box
WMK-BB-IDOCV-DSW: Post-Construction Mounting Kit
ABAR-1: Adagio® Balanced Audio Receiver
ABARI-1: Adagio® Balanced Audio Receiver - International Version, 230V
ABVR-1: Adagio® Balanced Video Receiver
CNX-PBAR4: 4 Room CAT5 Balanced Audio Receiver
CNX-PBVR4: 4 Room CAT5 Balanced Video Receiver
PWE-4803RU: PoE Injector
CEN-SW-POE-5: 5-Port PoE Switch

Notes:
1. iPod device not included.

2. Audio/video signal output requires one or more Crestron Home (CH) CAT5 Balanced AV compatible devices.

3. For a complete list of supported products, refer to Crestron Online Help Answer ID 4837, or contact Crestron True Blue Support at **www.crestron.com/true_blue_support**.

4. Display of album cover art is currently only supported using the iPod touch model.

5. Item(s) sold separately.

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CRESTRON®

4.0 in
(10.16 cm)

4.74 in
(12.04 cm)

5.84 in
(14.84 cm)

LOCAL   CRESTRON   – VOL +

2.02 in
(5.13 cm)

0.24 in
(0.61 cm)

5.33 in
(13.53 cm)

1 in
(2.54 cm)

3.02 in
(7.67 cm)

LAN PoE

CH   AUDIO OUT

VIDEO OUT