VANTAGE

Vantage Audio

Advanced Multi-Room Features For Today's Digital Lifestyle

multi–room
audio solution

Scroll through your entire music library. View song, artist and album information from Equinox keypads, touchscreens or mobile apps. With more sources, zones, power, control and features, Vantage's multi-room audio system simplifies the enjoyment of your music.

The Vantage Audio Solution
850D-DA, P3500, P200

The multi-room audio system offers advanced and stylish features that make enjoying your musical experience even easier. From the 850D-DA amplifier and NuVo 3500 Player series amplifiers/players to the Equinox family of keypads, touchscreens and apps, this system can enhance every room where you live, work or play with an endless variety of your favorite music. Through Equinox manage and play any source/zone combination.

audio system
core products

The Vantage multi-room audio system is easily controlled through Vantage keypads, touchscreens or apps, each provide the system owner with quick and intuitive access.

Multi-Room Amplifier
850D-DA

The cornerstone of the Vantage multi-room audio system is the 850D-DA Amplifier. With eight zones of audio distribution from twelve sources and highly efficient class D digital amplifiers, the 850D-DA is the most powerful amplifier from Vantage. For larger installations, an 850 system is scalable up to nine units, providing 72 zones of coverage.

NuVo 3500 Player
P3500

The P3500 provides state of the art features for today's digital multi-room audio systems. Additionally, the amplifer/player devices are equipped to stream content from network stored audio, analog sources and several Internet streaming services such as Pandora™, SiriusXM™, Rhapsody™, Tune-In™ and others, this server melds perfectly with the Vantage audio solution.
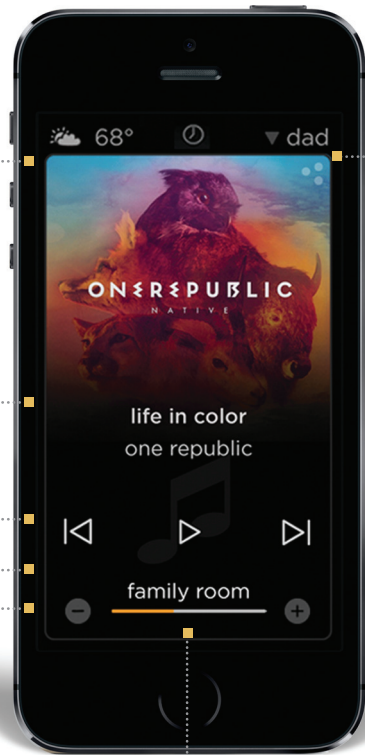
audio system
interfaces

See live cover art and graphical metadata from Vantage sources or supported partners

"Press" the discovery dots for more information about audio in the 2nd or full screen level

View currently playing music information such as song, album, artist, etc. or streaming service information such as a Pandora™ channel

Transport commands for current source

Live graphic animation indicates activity

Turn on/off audio and adjust volume

ONEREPUBLIC
NATIVE

68°   dad

life in color
one republic

family room

Zone Power

Widgets

Widgets for Equinox are designed to work specifically for use with the Vantage multi-room audio system, so using these core products will guarantee the best possible audio experience.
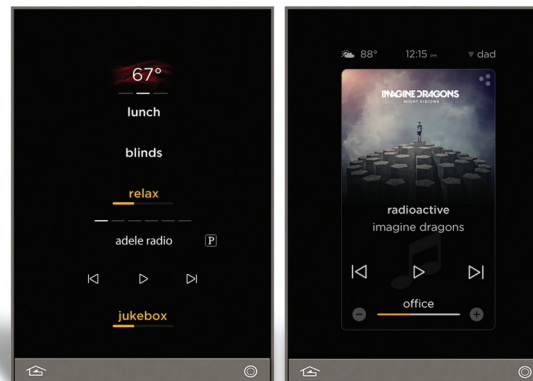
jukebox
library   pandora   tunein   siriusxm
PASERO & PATTERSON
YELLOWCARD
lights and sounds   listen without preju...   live and acoustic
malaguena fantasia
jesse cook radio
METALLICA
NICKELBACK
live the life   load   the long road
kitchen
NELLY FURTADO
GARTH BROOKS

Equinox 73 LCD Touchscreen
EQ73TB-TI

The Equinox 73 touchscreen is a beautiful wall-mounted interface for the Vantage audio system. It features a full color, capacitive touchscreen and audio dashboard for quickly accessing music libraries and streaming services.

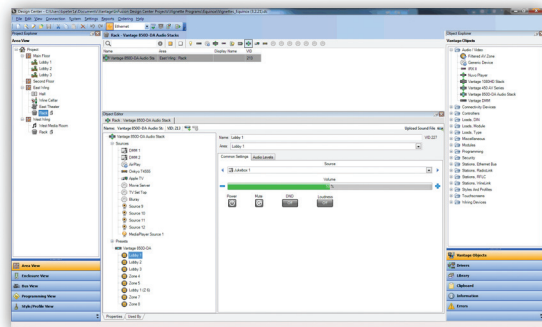## Equinox 40 and 41 Digital Keypads
EQ40TB-TI and EQ41TB-TI

The Equinox 40 and 41 keypads are beautiful wall-mounted interfaces for the InFusion multi-room audio system. They feature full color, capacitive touchscreens and audio dashboards for quickly controlling music. You can easily control music in the room through the audio mini-widget and music for the whole home with scenes. View, play, pause or skip current song, album, artist, etc. from music servers, tuners or streaming services. Turn audio on or off or adjust volume plus much much more.

67°
lunch
blinds
relax
adele radio
jukebox

88°   12:15   dad
IMAGINE DRAGONS
radioactive
imagine dragons
office

audio
extra features

Expansion

Engineered for expansion, the 850D-DA features room to add up to 72 zones.

Easy Setup

Through InFusion Design Center software, zones, sources and widgets come together quickly. No additional programming needed.
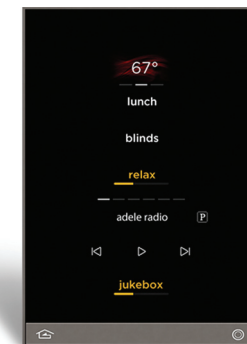
Streaming Services

Bring an entire world of music to your home through the NuVo Player Portfolio Streaming services from Pandora, Rhapsody, SiriusXM, Tunein, Last.fm, as well as iTunes and Windows Media libraries on each NuVo player provide up to four different streams simultaneously.

When teamed together with Equinox, an endless variety of music options means you are always just a tap or button press away from your favorite selection.

Premier Partners

Vantage premier drivers are developed to deliver the complete multi-room audio and multi-system control experience; based on collaboration with leading custom electronics companies. Available for download and use through Design Center, when used in conjunction with the Equinox family of interfaces, premier partner drivers provide a simplified dashboard and rich media experience for the entire luxury space.

specifications

850D-DA Multi-Room Amplifier
850D-DA

Zones

8 Per Amplifier, 72 Total Per System

Sources

8 Stereo Audio, 12 Digital Audio

Interfaces

Equinox 40

Equinox 41

Equinox 73

Standard Keypad (Through Tasks)

LCD Touchscreen on Front

Zone Controls

Volume

Mute

Power

Audio Amplifier

Total Channels • 12

Minimum Load Impedance • 4 Ohms

Frequency Response • 20 Hz – 20kHz -3 dB

Total Harmonic Distortion • <0.1% rated power

Signal to Noise Ratio • 100 db (IHA-A, 1V Input/Unbalanced)

Audio Connections

Source Inputs • 8 Analog, 12 Digital

Source Loop Outputs • 12

Zone Outputs • 6 Speaker Level, 2 Line Level

Paging Input • (1) Mono

Paging Output • (1) Mono

Connections

Ethernet Bus • 1 Shielded RJ45 Socket – 100BaseT

Expansion Bus • 1 Dual RJ45 Socket

USB • USB min-B 5 pin

Power

Voltage • 110 or 240 VAC, 50-60 Hz

Fuse Rating • 100-240V Input; T5.0A 250V US and Canada
220-240V Input; T3.15A 250V Europe

Consumption • 280 Watts Continuous

Standby Consumption • 2 Watts

Dimensions, HWD

3.54"H x 17.13"W x 15.3"D

(90mm x 435mm x 390mm)

Miscellaneous

Weight • 22 lbs (10 kg)

NuVo Player Portfolio
P3500

Input/Output Connectors

Line Input / Output	3-Dual RCA
Trigger Input / Output	3 - TS 3.5mm Stereo Jack
Speaker Output	3 - (4 Contact) Pluggable
USB 2.0 Connection (Type A)	3 - (Zone 3 on Front)
Local Area Network (LAN)	1 - Dual RJ45

Supported Audio Formats

Music Files (USB or network) • MP3, WMA, AAC, FLAC, Ogg Vorbis, WAV

Internet Radio • Pandora, Sirius/XM, Rhapsody, TuneIn, Deezer

Power Requirements

Input Voltage • 100 -240VAC, 50/60Hz

Power Consumption • 680W (max), 260W (Typical - Music), 120W (UL60065 - 1/8 Power)

IP Control

Apple iPhone®, iPod Touch® and iPad®, Android® Mobile, Android Tablet

Network Connectivity

LAN (Wired Connection) • 10/100base-t Ethernet

Internal Ethernet Switch to 3 Independent Zone Nodes

Line Output

Output Level • 0-2.1V RMS

Output Impedance • 470 Ohms

Signal-to-Noise Ratio (IHF-A) • 100 dB

Line Input

Input Impedance • 100 KOhms

Input Overload • 2.3 V RMS

Amplifier Output (Typical of 3 Zones)

Rated Output Power (1KHz/1% Distortion)

4 Ohm - 200W (100W x 2)

6 Ohm - 150W (75W x 2)

8 Ohm - 100W (50W x 2)

Total Harmonic Distortion (1/2 Power)

100Hz - 0.003%

1KHz - 0.003%

6.67KHz - 0.020%

Speaker Impedance • 4/6/8 Ohms

Frequency Response (20 - 20kHz) • +/- 0.5 dB

Damping Factor • 80+

Signal-to-Noise Ratio (IHF-A) • 100 dB

Audio Processing

Audyssey Dynamic Volume™, Balance, Loudness Compensation

Bass Equalization • +/- 12 dB Range

Trebal Equalization • +/- 12 dB Range

Operating Temperature

0° C - 40° C

Dimensions, HWD

1-3/4"H x 17"W x 9-7/8"D
(44mm x 430mm x 250mm)

Miscellaneous

Weight • 7.7 lbs (3.5 kg)

Regulatory Approvals

Safety • cTUVus, CE-LVD

EMC • FCC, IC, CE-EMC, C-Tick

Environmental Compliance • RoHS

NuVo Player Portfolio
P3100

Input/Output Connectors

Line Input / Output	3 - Dual RCA
Trigger Input / Output	3 - TS 3.5mm Stereo Jack
Speaker Output	3 - (4 Contact) Pluggable
USB 2.0 Connection (Type A)	3
Local Area Network (LAN)	1 - Dual RJ45

Supported Audio Formats

Music Files (USB or network) • MP3, WMA, AAC, FLAC, Ogg Vorbis, WAV

Internet Radio • Pandora, Sirius/XM, Rhapsody, TuneIn

Power Requirements

Input Voltage • 100 -240VAC, 50/60Hz

Power Consumption • 200W (max), 42W (Typical - 3 Zones, 1/8 Audio Power)

IP Control

Apple iPhone®, iPod Touch® and iPad®, Android® Mobile, Android Tablet

Network Connectivity

LAN (Wired Connection) • 10/100base-t Ethernet

Internal Ethernet Switch to 3 Independent Zone Nodes

Line Output

Output Level • 0-1000 mV RMS

Output Impedance • 5 Ohms

Signal-to-Noise Ratio at Rated Output • 91 dB A - Weighted

Line Input

Input Impedance • 10 KOhms

Input Overload • 2.3 V RMS

Amplifier Output (Typical of 3 Zones)

Rated Output Power (8 Ohm) • 40W (20W x 2)

Two Channels Driven 20 Hz - 20 KHz @ 0.5% Distortion

Rated Distortion (1/2 Power) • 0.20%

Speaker Impedance • 6 - 8 Ohms

Frequency Response (20 - 20kHz) • +/- 0.5 dB

Damping Factor • 50+

Signal-to-Noise Ratio at Rated Output • 92 dB A - Weighted

Audio Processing

Audyssey Dynamic Volume™, Balance

Bass Equalization • +/- 12 dB Range

Trebal Equalization • +/- 12 dB Range

Operating Temperature

0° C - 40° C

Dimensions, HWD

2.13"H x 16.93"W x 10.16"D (Including Feet)

(54mm x 430mm x 258mm)

Miscellaneous

Weight • 6.45 lbs (2.9 kg)

Regulatory Approvals

Safety • cTUVus, CE-LVD

EMC • FCC, IC, CE-EMC, C-Tick

Environmental Compliance • RoHS

NuVo Player Portfolio
P200

Input/Output Connectors

Line Input / Output	1 - TRS 3.5mm Stereo Jack
Setup Mic: (Audyssey)	1 - TRS 3.5mm Stereo Jack
Speaker Output	4 - Gold 5-Way Binding Post
USB 2.0 Connection (Type A)	1
Local Area Network (LAN)	1 - RJ45

Supported Audio Formats

Music Files (USB or network) • MP3, WMA, AAC, FLAC, Ogg Vorbis, WAV

Internet Radio • Pandora, Sirius/XM, Rhapsody, TuneIn

Power Requirements

Input Voltage • 100 -240VAC, 50/60Hz

Power Consumption • 150W (max), 31W (Typical - 1/8 Audio Power)

IP Control

Apple iPhone®, iPod Touch® and iPad®, Android® Mobile, Android Tablet

Network Connectivity

LAN (Wired Connection) • 10/100base-t Ethernet

Wireless Connection • MIMO, 2 TX + 2 RX Channels, IEEE 802.11a/b/g/n

Line Output

Output Level • 0-1000 mV RMS

Output Impedance • 5 Ohms

Signal-to-Noise Ratio at Rated Output • 88 dB A - Weighted

Line Input

Input Impedance • 10 KOhms

Input Overload • 2.3 V RMS

Amplifier Output (Typical of 3 Zones)

Rated Output Power (8 Ohm) • 120W (60W x 2)

Two Channels Driven 20 Hz - 20 KHz @ 0.5% Distortion

Rated Output Power (4 Ohm) • 120W (60W x 2)

Two Channels Driven 20 Hz - 20 KHz @ 0.5% Distortion

Rated Distortion (1/2 Power) • 0.20%

Speaker Impedance • 4 - 8 Ohms

Frequency Response (20 - 20kHz) • +/- 0.5 dB

Damping Factor • 65+

Signal-to-Noise Ratio at Rated Output • 92 dB A - Weighted

Audio Processing

Audyssey Dynamic Volume™, Balance

Bass Equalization • +/- 12 dB Range

Trebal Equalization • +/- 12 dB Range

Operating Temperature

0° C - 40° C

Dimensions, HWD

1.69"H x 9.72"W x 6.89"D
(43mm x 247mm x 175mm)

Miscellaneous

Weight • 2.65 lbs (1.20 kg)

Regulatory Approvals

Safety • cTUVus, CE-LVD

EMC • FCC, IC, CE-EMC, C-Tick

Environmental Compliance • RoHS

Gateway
GW100

System Information
    LAN Connection • 5 LAN - RJ45 - 10/100/1000 Mbps
    Wireless Connection • 2 TX x 2 RX MIMO, IEEE 802.11a/b/g/n
    Dual Band - Concurrent
    Wireless Data Rate • Up to 300 Mbps

Power Requirements
    Power Supply • 12V DC, 1.0A
    Input Voltage • 100-240VAC, 50/60 Hz
    Rated Power • 12W

IP Control
    Vantage, NuVo, Windows PC & Mac, Adobe
    Flash-Enabled Mobile Devices and Computers, Apple
    iPhone, iPod Touch and iPad

Regulator Approvals
    Controller
        EMC • FCC, IC, CE-EMC, C-Tick
    Power Supply
        Safety • cULus, GS Mark, CE-LVD
        EMC • FCC, IC, CE-EMC, C-Tick
    Environmental Compliance Europe • RoHS

Operating Temperature
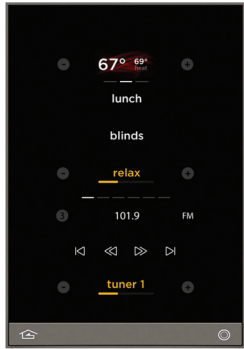   0° C - 40° C

Dimensions, HWD
    4.82"H x 6.97"W x 5.24"D (Including Antennas)
    (112.5mm x 177mm x 133mm)

Miscellaneous
    Weigh • 0.65lbs (.30kg)

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
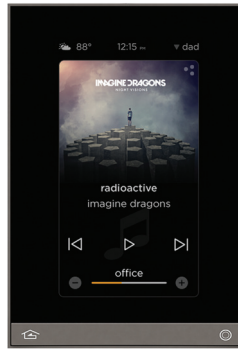- Proximity
- Light (for Screen Brightness)

Connections
- Station Bus • 1
- Auxiliary • 1

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

Equinox 41 Digital Keypad
EQ41TB-TI (Shipping Soon)

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

Multi-Room Audio Partners

Multi-Room Amplification and Distribution
- Vantage 850-DA
- Vantage 450
- NuVo Grand Concerto
- NuVo Player Portfolio 100, 200, 3100, 3500
- Russound MCA-C5

Audio Sources
- Vantage DMM
- Vantage InFusion Media Server (IMS)
- Autonomic Mirage
- Autonomic MMS
- Integra TUN3.7
- iPort FS Series
- iPort IW Series
- Kaleidescape Music System
- Mozaex Solo
- Nuvo Music Port Elite
- NuVo Player Portfolio 100, 200, 3100, 3500
- Nuvo NVT2 Series
- Onkyo T4555
- Marantz NA7004
- Russound ST2

Equinox 73 Touchscreen
EQ73TB-TI

audio full screen shown above

Display
7.1" Diagonal
Active Matrix Color LCD

Features
Triple Layer Widget UI
Live Dashboard
Three Layer
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

dashboard shown above

Compatibility
Apple, Android

Features
Triple Layer Widget UI
Live Dashboard
Three Layer
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

audio widget shown above

Compatibility
Apple, Android

Features
Triple Layer Widget UI
Live Dashboard
Three Layer
Profiles for Users, Spaces, Functions and Time
Personalizable UI for Each User

Controls
Full 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

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number of supported devices to function as
an interface when they are connected to a
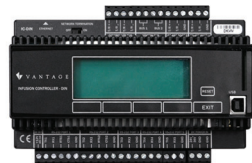single InFusion system

related
products

In addition to the main products featured on page three; a complete Vantage multi-room audio solution could also contain one or more of the products listed below.

InFusion Controller
IC-36-1

InFusion DIN Controller
IC-DIN

Integration Controller
IRXII

8-Port Gigabit Switch With PoE
DA1458

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

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