

# ELITE

## VSX-31

7.1-CHANNEL ELITE RECEIVER FEATURING DOLBY® TRUEHD, DTS-HD® MASTER AUDIO, MADE FOR IPOD & IPHONE CERTIFICATION, AND INTERNET RADIO



### AMPLIFICATION AND BUILD

- › 80 Watts x 7 Direct Energy Amplification (20Hz - 20kHz, 8 ohms, 0.08% THD - FTC)
- › Stream Direct Mode
- › High Gloss Black Finish

### AUDIO FEATURES

- › Freescale™ Digital Core Engine
- › Dolby® TrueHD, Dolby Digital Plus, Dolby ProLogic IIz, DTS-HD® Master Audio / High Resolution Audio
- › Advanced MCACC (Auto Room Calibration)
  - Symmetric 9-Band EQ
  - Standing Wave Control
  - Auto Crossover
- › 192 kHz / 24-Bit DAC (106 dB S/N)
- › 96 kHz / 24-Bit ADC (102 dB S/N)
- › **Jitter Reduction PLL Circuit**
- › Phase Control
- › WMA9 Pro Decoder
- › DTS Neural Surround
- › PQLS 2-Channel Audio for CD (Precision Quartz Lock System)
- › Advanced Surround Sound (13+1 Modes)
- › Wide Surround
- › Front Stage Surround Advance (Focus, Wide)
- › Headphone Surround
- › Virtual Surround Back and Height
- › Multi-Channel Auto Level Control
- › Dialogue Enhancement
- › Multi-Channel Advanced Sound Retriever
- › Sound Retriever AIR for Enhanced 2-Channel Playback via Bluetooth®
- › Digital Noise Reduction
- › Midnight Listening Mode
- › Sound Delay (Lip-Sync)

### VIDEO FEATURES

- › HDMI® (V.1.4a with 3D)
- › 1080p Video Scaler for Analog and HDMI to HDMI Video Inputs
- › Supports 36-bit Deep Color and x.v. Color
- › Pure Cinema I/P Conversion
- › 3D Noise Reduction (for Analog SD Input)
- › Video Adjustments (SD Only) - Detail, Sharp, Hue, Chroma, Bright, Contrast

### CONNECTIVITY

- › Made for iPod & iPhone Certified with Front USB Featuring iPhone, iPod Touch, and iPod® Player Album Art and Full Color GUI (USB + Composite Cable Included)
- › Ethernet Input for Internet Radio (24 Presets)
- › Front Panel USB Memory Audio and Photo Playback
- › *Bluetooth* Ready<sup>1</sup>
- › **HDMI (6 Inputs Including 1 Front Input / 1 Output)**
- › **Digital Coaxial (2 Inputs)**
- › Digital Optical (2 Inputs)
- › Audio In / Out (2 Inputs / 1 Output)
- › A/V Composite (4 Inputs / 1 Output) Including 1 Front Input
- › Component Video (2 Inputs - Assignable / 1 Output)
- › SIRIUS Satellite Radio Ready<sup>2</sup>

### CUSTOM CONTROL

- › iControlAV App for control of receiver with iPhone/iPod Touch (available for download in the Apple App Store)<sup>3</sup>
- › On-Screen Display Full Color GUI
- › **2-Zone Multi-Zone and Source (Analog A/V Out for Zone 2) with OSD**
- › **Second Zone iPod USB / Internet Radio / SIRIUS**
- › Internet Radio Station Input via USB-connected Keyboard
- › Versatile 9.1 Speaker Configuration
- › Main Room / Multi-zone Illuminated Learning Remote
- › RS-232C Interface
- › 12 Volt Trigger (x2 - Assignable)
- › I/R (1 In / 1 Out)
- › Detachable Power Cord

**Bold** denotes step-up features from VSX-30

## CONNECTIONS

Rear Panel



## PRODUCT SPECIFICATIONS

- › W x H x D: 16.54" x 6.22" x 14.92"
- › Weight: 22 lbs. 8 oz.

## UPC

- › 884938109253

## CARTON SPECIFICATIONS

- › L x W x H: 20.20" x 9.69" x 19.09"
- › Weight: 27 lbs. 5 oz.

## INTEGRATED TECHNOLOGIES



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- 1 Optional AS-BT100 Bluetooth Adapter required and sold separately.
- 2 SIRIUS antenna and subscription service (each sold separately) required to receive SIRIUS radio.
- 3 Home network required.