



Connectivity, power, and processing performance meet in our DTR-50.4 network receiver. Revel in house-wide audio, dual-core video upscaling, and DTS Neo:X™ nine-channel upmixing in one exceptionally refined package.

### ADVANCED FEATURES

- THX® Select2 Plus™ Certified
- HDMI Support for 3D, Audio Return Channel, DeepColor™\*, x.v.Color™, LipSync, Dolby® TrueHD, DTS-HD Master Audio™, DVD-Audio, SACD, Multichannel PCM, and CEC
- High-Quality HQV® Vida™ VHD1900 Video Processor
- ISF (Imaging Science Foundation) Video Calibration for Optimal Video Performance
- HDMI® Video Upscaling to 4K with Qdeo™ Technology by Marvell
- Component Video Upscaling to 1080i with HQV
- MHL (Mobile High-Definition Link) for Smart Phone Content on HDTV
- Input Source Preview with InstaPrevue™ Technology
- Dolby Volume for Reference-Quality Listening at Any Volume
- Direct Digital Connection of iPod/iPhone via Front-Panel USB Port
- TI Burr-Brown 192 kHz/24-Bit DACs for All Channels
- Three-Stage Inverted Darlington Circuitry
- PLL (Phase Locked Loop) Jitter-Cleaning Circuit Technology
- DTS Neo:X, Audyssey DSX® and Dolby® Pro Logic® IIz for Expanded Surround Channels
- Overlaid On-Screen Display (OSD) with Quick Set-Up and Home Menu
- Playback of Audio Files Through Local Network (MP3, WMA, WMA Lossless, FLAC, WAV, Ogg Vorbis, AAC, Apple Lossless, LPCM, Dolby True HD, DSD)
- Internet Radio and Cloud Music Streaming Service Connectivity (Pandora®, Rhapsody, Slacker™, SIRIUS XM Internet Radio®, Last fm, Spotify, AUPEO!, vTuner)\*<sup>1</sup>
- Supports Integra Remote Apps for iPod touch®/iPhone®\*<sup>2</sup> Android Phone\*<sup>3</sup>, and Kindle Fire\*<sup>3</sup>
- Compatible with Optional UWF-1 Wireless LAN Adapter (via USB Port)
- Compatible with Optional UBT-1 Bluetooth USB Adapter (via USB Port)
- Color-Coded, 9.2 Multichannel Pre Outs (Including 2 Subwoofer Pre Outs)
- 8 HDMI Inputs (1 Front/7 Rear) and Dual HDMI Outputs (Simultaneously Active Capable)
- 4 DSP Modes for Gaming: Rock, Sports, Action, and RPG
- Hybrid Standby Function to Reduce Power Consumption
- Bi-Amping Capability
- Differential DAC Mode for Front Channels
- Digital Crossover Processing Network to Cancel Crossover Interference

\*<sup>1</sup> Availability of services depends on region. Some services may require a firmware update. \*<sup>2</sup> Compatible with iPod touch (3rd generation or later) and iPhone 3GS or later. All models require iOS 4.2 or later. \*<sup>3</sup> Requires Android OS 2.1 or later.

### OTHER FEATURES

- 135 Watts per Channel at 8 Ohms, 20 Hz–20 kHz, 0.08% THD, 2 Channels Driven, FTC;
- 145 Watts per Channel at 8 Ohms, 1 kHz, 0.7% THD, 2 Channels Driven, FTC;
- 160 Watts per Channel at 6 Ohms, 1 kHz, 0.1% THD, 2 Channels Driven, FTC
- WRAT (Wide Range Amplifier Technology)
- H.C.P.S. (High Current Power Supply) Massive High Power Transformer
- Isolated Power-Amp and Pre-Amp Block
- Fully Discrete Output Stage Circuitry

- Linear Optimum Gain Volume Circuitry
- Advanced 32-Bit Processing DSP Chip
- 2 USB Ports (1 Front/1 Rear)
- Advanced Music Optimizer for Compressed Digital Music Files
- Audyssey MultEQ® XT32 for Room Acoustic Correction
- Audyssey Dynamic EQ® for Loudness Correction
- Audyssey Dynamic Volume® to Maintain Optimal Listening Level and Dynamic Range
- Independent Crossover Adjustment for Each Channel (40/45/50/55/60/70/80/90/100/110/120/130/150/200 Hz)
- A/V Sync Control (Up to 800 ms in 1 ms Steps)
- HDTV-Capable Component Video Switching (2 Inputs and 1 Output)
- 5 Composite Video Inputs and 1 Output
- 6 Digital Audio Inputs (3 Optical and 3 Coaxial)
- 7 Analog Audio Inputs and 1 Phono Input
- Tone Control (Bass / Treble / Balance ) for Front L/R Channels
- Display Dimmer (Normal / Dim / Dimmer)
- 40 FM/AM Random Presets
- Firmware Updates via Ethernet and USB
- Preprogrammed and Customizable RI Remote Control with On-Screen Setup, Mode-Key LEDs, and Macro Presets for Four Activities

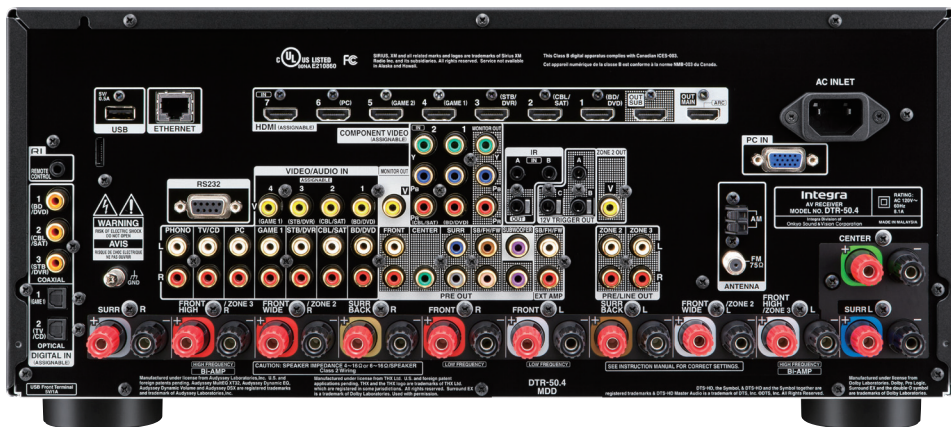
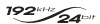
\*Front-Panel HDMI does not support DeepColor.

### CUSTOM INTEGRATION FEATURES

- Bi-Directional Ethernet and RS232 Port for Control
- Powered Zone 2/3, Zone 2 Video Out, and Zone 2/3 Pre/Line-Outs for Distributed Audio Playback in Multiple Rooms
- Independent Zone 2 Bass/Treble/Balance Controls
- Max & Power On Volume Settings for Main Zone & Zone 2
- Whole House Mode
- Smart Grid Ready
- Dealer Settings Memory Store & Recall with Lock / Unlock
- Permanently Stored Settings
- 2 IR Inputs and 1 Output
- 3 Programmable 12 V Triggers (with Adjustable Delay)
- Optional Rack Mount Kit Available (IRK-180-4A)
- RIHD (Remote Interactive over HDMI) for System Control\*

\*Compatibility depends on respective model.

## 7.2 CHANNEL NETWORK A/V RECEIVER



### SPECIFICATIONS

#### AMPLIFIER SECTION

Power Output  
All Channels:

Dynamic Power:

THD+N  
(Total Harmonic Distortion + Noise):

Damping Factor:

Input Sensitivity and Impedance:

Rated RCA Output Level and Impedance:

Maximum RCA Output Level and Impedance:

Phono Overload:

Frequency Response:

Tone Control:

Signal-to-Noise Ratio:

Speaker Impedance:

135 W/Ch at 8 Ohms, 20 Hz–20 kHz, 0.08% THD, 2 channels driven, FTC;
145 W/Ch at 8 Ohms, 1 kHz, 0.7% THD, 2 channels driven, FTC;
160 W/Ch at 6 Ohms, 1 kHz, 0.1% THD, 2 channels driven, FTC
300 W (3 Ohms, Front)
250 W (4 Ohms, Front)
150 W (8 Ohms, Front)
0.08% (20 Hz–20 kHz, Rated Power)
60 (Front, 1 kHz, 8 Ohms)
200 mV/47 k-Ohms (Line)
2.5 mV/47 k-Ohms (Phono MM)
200 mV/470 Ohms (Pre Out)
4.6 V/470 Ohms (Pre out)
70 mV (MM, 1 kHz, 0.5%)
5 Hz–100 kHz/+1 dB, -3 dB (DSP Bypass)
±10 dB, 50 Hz (Bass)
±10 dB, 20 kHz (Treble)
110 dB (Line, IHF-A)
80 dB (Phono MM, IHF-A)
4 Ohms–16 Ohms or 6 Ohms–16 Ohms

#### VIDEO SECTION

Input Sensitivity/Output Level and Impedance:

Component Video Frequency Response:

1.0 Vp–p/75 Ohms (Component Y)
0.7 Vp–p/75 Ohms (Component Pb/Cb, Pr/Cr)
1.0 Vp–p/75 Ohms (Composite)
5 Hz–100 MHz/+0 dB, -3 dB

#### TUNER SECTION

Tuning Frequency Range:

FM/AM Preset Memory:

FM 87.5 MHz–107.8 MHz
AM 530 kHz–1,710 kHz
40 stations

#### GENERAL

Power Supply:

Power Consumption:

Standby Power Consumption:

Dimensions (W x H x D):

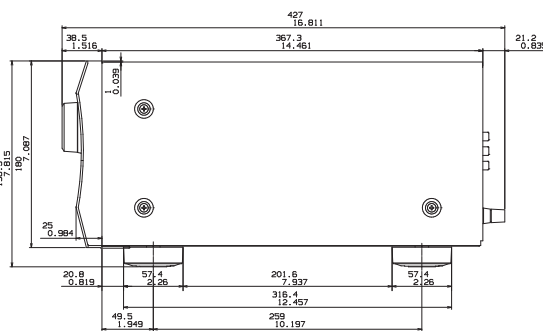
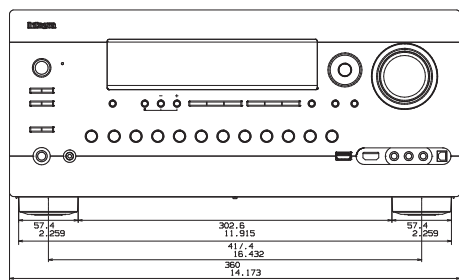
Weight:

CARTON

Dimensions (W x H x D):

Weight:

AC 120 V~, 60 Hz
8.1 A
0.1 W
17 1/8" x 7 13/16" x 16 13/16" (435 x 198.5 x 427.5mm)
39.5 lbs. (17.9 kg)
23 1/8" x 13 1/4" x 21 3/4" (587 x 337 x 553 mm)
48.5 lbs. (22.0 kg)



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