

Integra®

DTR-50.3

7.2-CHANNEL NETWORK A/V RECEIVER



The DTR-50.3 levels in its role as master of ceremonies in your home theater. With its cutting-edge processing and networking power, abundant connections, and refined build quality, it guarantees a flawless performance every time.

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, Super Audio CD, 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
- Direct Digital Connection of iPod®/iPhone® via Front-Panel USB Port**
- TI Burr-Brown 192 kHz/24-Bit DACs (PCM1690) for All Channels
- Three-Stage Inverted Darlington Circuitry
- PLL (Phase Locked Loop) Jitter-Cleaning Circuit Technology for All Audio Signals
- Audyssey DSX™ (Front Wide and Front Height) and Dolby® Pro Logic® IIz for Expanded Surround Channels
- Overlaid Graphical On-Screen Display (OSD) and GUI Navigation via HDMI
- Playback of Audio Files Through Local Network (MP3, WMA, WMA Lossless, FLAC, WAV, Ogg Vorbis, AAC, LPCM)
- Internet Radio and Music Streaming Service Connectivity (vTuner, Last.fm, Rhapsody®)**
- Certified with Windows® 7 and DLNA Version 1.5
- 8 HDMI® Inputs (1 Front/7 Rear) and 2 Outputs
- Analog RGB Video Input (D-sub, 15 pin) for PC
- Compatible with UWF-1 Wireless LAN Adapter (via Front-Panel USB Port)
- 4 DSP Modes for Gaming: Rock, Sports, Action, and RPG
- Universal Port for Onkyo Peripheral Devices Such as UP-A1 Dock for iPod/iPhone or UP-DT1 DAB+ Tuner
- Color-Coded, 7.1 Multichannel Inputs
- Bi-Amping Capability
- Dolby® Volume for Reference-Quality Listening Experience at Any Volume

*1 Compatible iPod/iPhone models: iPod touch 3rd generation or later; iPhone 3GS or later. (All models require iOS 4.2 or later.)

**2 Availability of services depends on region.

OTHER FEATURES

- 180 W/Ch at 6 Ω, 1 kHz, 1%, 1 Channel Driven, IEC
- WRAT (Wide Range Amplifier Technology)
- H.C.P.S. (High Current Power Supply) Massive High-Power Transformer
- Linear Optimum Gain Volume Circuitry
- Dolby® TrueHD and DTS-HD Master Audio™ Decoding
- Advanced 32-Bit Processing DSP Chip
- Advanced Music Optimizer for Compressed Digital Music Files

- Handles Playback of Mass Storage Class USB Memory
- Direct Mode
- A-Form Listening Mode Memory
- Color-Coded, Banana Plug-Compatible Speaker Posts
- Audyssey MultEQ® XT 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)
- Color-Coded, 7.2 Multichannel Pre Outs
- 2 USB Ports (Front/Rear)
- HDTV-Capable Component Video Switching (3 Inputs and 1 Output)
- 5 Composite Video Inputs and 2 Outputs
- 4 S-Video Inputs and 2 Outputs
- 6 Digital Audio Inputs (3 Optical and 3 Coaxial)
- 6 Analog Audio Inputs and 1 Output
- Phono Input
- 40 FM/AM Random Presets
- Firmware Updates via Ethernet and USB
- Bi-Directional, Preprogrammed, and Customizable RI Remote Control with On-Screen Setup, Mode-Key LEDs, and Macro Presets for Four Activities

CUSTOM INTEGRATION FEATURES

- Bi-Directional Ethernet and RS232 Port for Control
- Powered Zone 2, Zone 2 Video Outs (Composite, Component) and Zone 2/3 Pre-Out for Distributed Audio Playback in Multiple Room
- Independent Zone 2 Bass / Treble / Balance Controls
- Max & Power On Volume Settings for Main Zone & Zone 2
- Dealer Settings Memory Store & Recall with Lock / Unlock
- Permanently Stored Settings
- 2 IR Inputs and 1 Output
- 3 Programmable 12V Triggers (with Adjustable Delay)
- RIHD (Remote Interactive over HDMI) for System Control *

*Compatibility depends on respective model.

Inspired By Passion-Driven By Excellence



SPECIFICATIONS

AMPLIFIER SECTION

Power Output All Channels:	180 W/Ch at 6 Ω, 1 kHz, 1%, 1 channel driven, IEC
Dynamic Power:	300 W (3 Ω, Front) 250 W (4 Ω, Front) 150 W (8 Ω, Front)
THD+N (Total Harmonic Distortion + Noise):	0.08% (20 Hz–20 kHz, Half power)
Damping Factor:	60 (Front, 1 kHz, 8 Ω)
Input Sensitivity and Impedance:	200 mV/47 k-Ω (Line) 2.5 mV/47 k-Ω (Phono MM)
Rated RCA Output Level and Impedance:	200 mV/470 Ω (Pre out)
Maximum RCA Output Level and Impedance:	4.6 V/470 Ω (Pre out)
Phono Overload:	70 mV (MM, 1 kHz, 0.5%)
Frequency Response:	5 Hz–100 kHz/+1 dB, -3 dB (Direct mode)
Tone Control:	±10 dB, 50 Hz (Bass) ±10 dB, 20 kHz (Treble)
Signal-to-Noise Ratio:	110 dB (Line, IHF-A) 80 dB (Phono MM, IHF-A)
Speaker Impedance:	4 Ω–16 Ω or 6 Ω–16 Ω

VIDEO SECTION

Input Sensitivity/Output Level and Impedance:	1.0 Vp-p/75 Ω (Component and S-Video Y) 0.7 Vp-p/75 Ω (Component Pb/Cb, Pr/Cr) 0.25 Vp-p/75 Ω (S-Video C) 1.0 Vp-p/75 Ω (Composite)
Component Video Frequency Response:	5 Hz–100 MHz/0 dB, -3 dB

TUNER SECTION

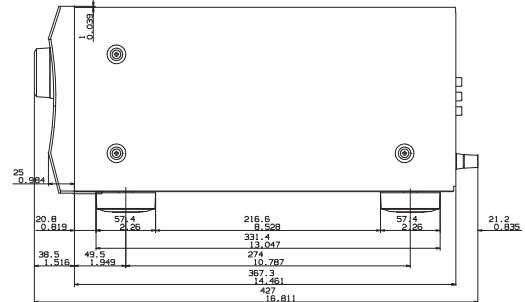
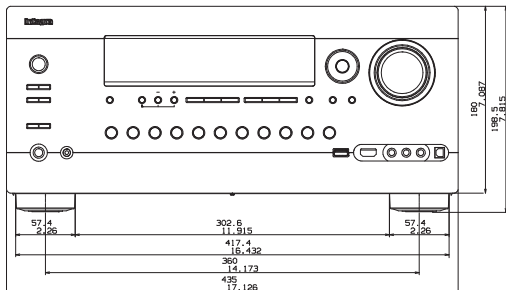
Tuning Frequency Range:	FM 87.5 MHz–107.9 MHz AM 530 kHz–1,710 kHz
FM/AM Preset Memory:	40 stations

GENERAL

Power Supply:	AC 220–240 V~, 50/60 Hz
Power Consumption:	710 W
Dimensions (W x H x D):	435 x 198.5 x 427.5 mm
Weight:	17.9 kg

CARTON

Dimensions (W x H x D):	587 x 337 x 553 mm
Weight:	22.0 kg



Due to a policy of continuous product improvement, Onkyo reserves the right to change specifications and appearance without notice. THX Select2 Plus is a trademark of THX Ltd. THX may be registered in some jurisdictions. All rights reserved. Manufactured under license from Dolby Laboratories. Dolby, Pro Logic, and the double-D symbol are trademarks of Dolby Laboratories. DTS, DTS-HD, and the DTS symbol are registered trademarks and the DTS logo is a trademark of DTS, Inc. Manufactured under license from Audyssey Laboratories, Inc. U.S. and foreign patents pending. Audyssey MultEQ XT, Audyssey Dynamic EQ, and Audyssey Dynamic Volume are trademarks and Audyssey DSX is a trademark of Audyssey Laboratories, Inc. HDMI, the HDMI logo, and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing LLC in the United States and other countries. iPhone, iPod, iPod classic, iPod nano, iPod shuffle, and iPod touch are trademarks of Apple Inc., registered in the U.S. and other countries. "Made for iPod" and "Made for iPhone" mean that an electronic accessory has been designed to connect specifically to iPod or iPhone, respectively, and has been certified by the developer to meet Apple performance standards. Apple is not responsible for the operation of this device or its compliance with safety and regulatory standards. Please note that the use of this accessory with iPod or iPhone may affect wireless performance. x.v.Color is a trademark of Sony Corporation. Windows 7 and the Windows logo are trademarks or registered trademarks of Microsoft Corporation in the United States and/or other countries. Qdeo and QuietVideo are trademarks of Marvel or its affiliates. HQV, StreamClean and Auto HQV are trademarks or registered trademarks of Integrated Device Technology, Inc. WRAT, Music Optimizer, and Theater-Dimensional are trademarks of Onkyo Corporation. All other trademarks and registered trademarks are the property of their respective holders.