

# DTR-50.1

7.2-Channel Home Network Receiver



## ADVANCED FEATURES

- THX® Select2 Plus™ Certified with THX Loudness Plus™
- DTS-HD Master Audio™, DTS-HD High Resolution Audio™, DTS-HD Express, Dolby® TrueHD, Dolby® Digital Plus, Dolby® Pro Logic® IIz Decoding
- HDMI™ Version 1.3a to Support Deep Color™, x.v.Color™, LipSync, Dolby TrueHD, DTS-HD Master Audio, DVD-Audio, Super Audio CD, Multichannel PCM, and CEC
- Audio and 1080p Video Processing via HDMI (1 Front/6 Rear Inputs and 2 Outputs)
- HDMI Video Upscaling to 1080p with Faroudja DCDi Cinema™
- Push-Pull Amplification Design with Three-Stage Inverted Darlington Circuitry
- Burr-Brown 192 kHz/24-Bit DACs Improve Jitter Performance for Clear Sound
- Two TI 32-Bit DSP Chips for Advanced Processing
- ISF (Imaging Science Foundation) Video Calibration
- Audyssey DSX™ (Dynamic Surround Expansion) and Dolby® Pro Logic® IIz for New Surround Channels
- Audyssey MultEQ™ to Correct Room Acoustic Problems and to Calibrate Speakers
- Audyssey Dynamic Volume™ to Maintain Optimal Listening Level and Dynamic Range
- Audyssey Dynamic EQ™ for Loudness Correction
- 4 DSP Modes for Gaming: Rock, Sports, Action, and Role Playing Game (RPG)
- Network Capability for Streaming Audio Files (MP3, WMA, WMA Lossless, FLAC, WAV, Ogg Vorbis, AAC, LPCM)
- 1 USB Port for a MP3 Audio Devices (Audio Only)
- Internet Radio Connectivity Through vTuner
- Certified with DLNA Version 1.5
- Firmware Updates via Network and USB
- Powered Zone 2 and Zone 3 for Playback of Separate Sources in Other Rooms
- Universal Port for Single-Cable Connection of Optional Onkyo Dock (UP-A1) for the iPod® or DAB+ Tuner (UP-DT1)
- Dual Subwoofer Pre Outs
- Bi-Directional Preprogrammed and Customized RI Remote Control with Backlight, Onscreen Setup, Mode-key LEDs and Macro Presets for Four Activities

## OTHER FEATURES

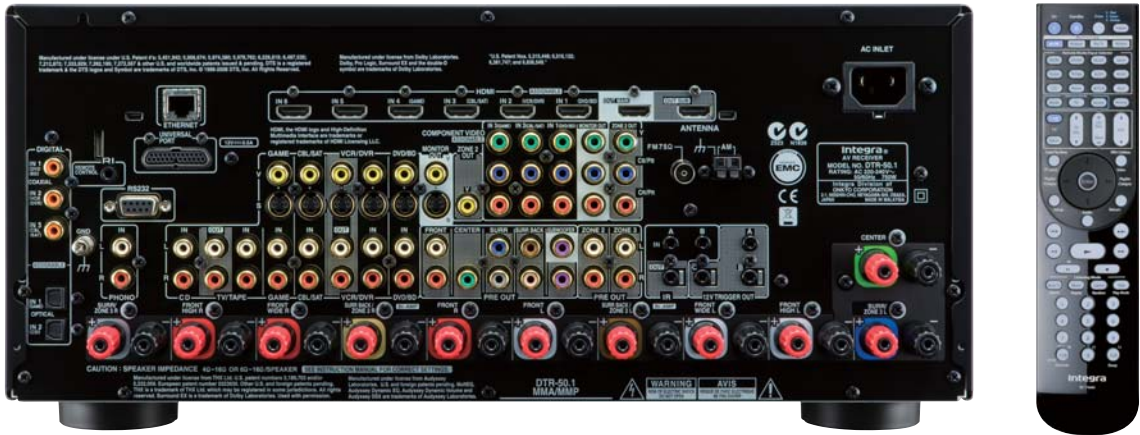
- 130 W at 8Ω, 20 Hz–20 kHz, 0.08%, 2 Channels Driven, FTC
- 230 W / ch at 6Ω, 1 kHz, 1 Channel Driven, JEITA
- H.C.P.S. (High Current Power Supply) Massive High Power Transformer
- WRAT (Wide Range Amplifier Technology)
- Linear Optimum Gain Volume Circuitry
- DTS-ES™ Discrete/Matrix, DTS Neo:6™, DTS 96/24™, Dolby® Digital EX™ Decoding
- Music Optimizer™ for Compressed Digital Music Files
- Theater-Dimensional Virtual Surround Function
- RIHD (Remote Interactive over HDMI) for System Control
- A-Form Listening Mode Memory
- Double Bass Function
- Direct Mode

- Non-Scaling Configuration
- Tone Control (Bass/Treble) for Front L/R Channels
- Independent Bass, Treble & Balance Control Zone 2 / Zone 3
- Front Auxiliary HDMI and A/V Input (for Camcorders, Game Consoles, etc.)
- Component Video Upscaling (up to 1080i)
- Component Video Switching (3 Inputs and 2 Outputs) (1 x Zone 2)
- Color-Coded 7 Multichannel Pre Outs
- 6 Digital Inputs (3 Optical and 3 Coaxial)
- Banana Plug-Compatible Speaker Posts
- Bi-Amping Capability
- Independent Crossover Adjustment for F/C/S/SB/FH/FW (40/45/50/55/60/70/80/90/100/110/120/130/150/200 Hz)
- A/V Sync Control Function (Up to 250 ms in 2 ms Steps)
- 40 FM/AM Random Presets
- Compatible with RI (Remote Interactive) Dock for the iPod
- 4 S-Video Inputs and 1 Output
- 5 A/V Inputs and 1 Output
- Monitor Output (Component Video, Composite Video, and S-Video)
- 2 Audio Inputs and 1 Output
- Phono Input
- IntelliVolume
- Headphone Jack
- Onscreen Display (OSD)
- Display Dimmer (Normal/Dim/Dimmer)
- Aluminum Front Panel
- Sand-Finished Aluminum Volume Knob

## CUSTOM INTEGRATION FEATURES

- Max & Power On Volume Settings for Main Zone & Zone 2/Zone 3
- Dealer Settings Memory Store & Recall with Lock/Unlock
- Permanently Stored Settings
- Bi-Directional RS232 for Control
- 2 IR Inputs and 1 Output
- 3 Programmable 12V Triggers (with Adjustable Delay)
- RIHD for Integrated System Control\* (Compatible with Panasonic Viera Link™ and Toshiba REGZA Link™, as well as Selected Sharp Displays)

\* Compatibility depends on respective model



### SPECIFICATIONS

#### AMPLIFIER SECTION

Power Output	
All Channels:	230 W / ch at 6Ω, 1kHz 1 channel driven, JEITA 130 W at 8Ω, 20 Hz–20 kHz, 0.08%, 2 channels driven, FTC
Dynamic Power:	300 W (3Ω, Front) 250 W (4Ω, Front) 150 W (8Ω, Front)
THD (Total Harmonic Distortion):	0.08% (Rated power)
Damping Factor:	60 (Front, 1 kHz, 8Ω,)
Input Sensitivity and Impedance:	200 mV/47 kΩ (Line) 2.5 mV/47 kΩ, (Phono MM)
Output Level and Impedance:	200 mV/470 Ω (Rec out)
Phono Overload:	70 mV (MM 1 kHz, 0.5%):
Frequency Response:	5 Hz–100 kHz/+1 dB, -3 dB
Tone Control:	±10 dB, 50 Hz (Bass) ±10 dB, 20 kHz (Treble)
Signal-to-Noise Ratio:	110 dB (Line, IHF-A)
Speaker Impedance:	4Ω–16Ω or 6Ω–16Ω

#### VIDEO SECTION

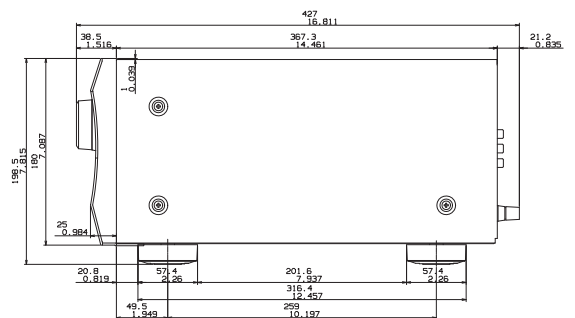
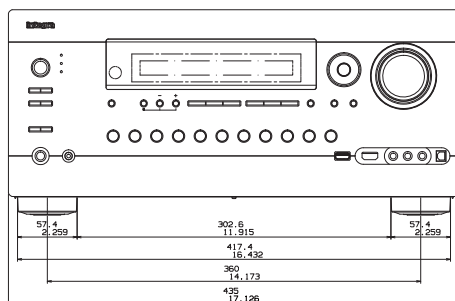
Input Sensitivity/Output Level and Impedance:	1.0 V <sub>p</sub> -p/75 Ω (Component and S-Video Y) 0.7 V <sub>p</sub> -p/75 Ω (Component PB/CB, PR/CR) 0.28 V <sub>p</sub> -p/75 Ω (S-Video C) 1.0 V <sub>p</sub> -p/75 Ω (Composite)
Component Video Frequency Response:	5 Hz–100 MHz, -3 dB

#### TUNER SECTION

Tuning Frequency Range:	FM 87.5 MHz–108.0 MHz AM 522 kHz–1,611 kHz
FM/AM Preset Memory:	40 stations

#### GENERAL

Power Supply:	AC 220-240V~, 50/60 Hz
Power Consumption:	750W
Dimensions (W x H x D):	435 x 198.5 x 427 mm
Weight:	17.8 kg



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