



Triple high-current transformers, separate processing and amp blocks, and state-of-the-art 32-bit D/A conversion combine in the magnificent DTR-70.6—heart of the world's ultimate Dolby Atmos® home theater.

ADVANCED FEATURES

- Supports Dolby Atmos® Surround Format for Exciting Multiplex Sound
- THX® Select2™ Plus Certified for Theater-Reference Sound Quality
- ISF (Imaging Science Foundation) Video Calibration for Optimal Video Performance
- Three Separate Transformers for Amplification, Audio, and Video Processing
- 4K / 60 Hz-Capable HDMI® Terminals for Ultra HD Entertainment
- Supports HDCP 2.2*1 Copy Protection for Future 4K Streaming and Broadcast
- HDBaseT™ Port for Multimedia Distribution Assignable to Main Zone or Zone 2
- 11.4 Multichannel Pre-Outs, Balanced XLR Pre-Outs (Front L / R), and 18 mm-pitch RCA Pre-Outs (Front L / R)
- Separate Processing and Amplification Block Construction with Aluminum Heat Sink
- Hand Selected, Audio Tuned Parts to Ensure Low-Impedance, High-Current Performance
- Massive High-Power Transformer and Two Separate Transformers for Audio and Video Processing
- Three-Stage Inverted Darlington Circuitry for All Channels
- Customized H.C.P.S. (High Current Power Supply) Massive High-Output Transformer and Heavy-Duty Custom Low Impedance Capacitors
- Fully Discrete Output Stage Circuitry
- PLL (Phase Locked Loop) Jitter-Cleaning Circuit Technology
- 3 x HDMI Outputs Including Zone 2 HDMI for HD Video in a Second Room
- Internet Radio and Music Streaming Subscription Services Included (TuneIn Radio, Pandora®, Spotify, AUPEO!, and Deezer)*2
- Play MP3, WMA, WMA Lossless, FLAC, WAV, Ogg Vorbis, AAC, Apple Lossless, DSD 5.6 MHz, LPCM*3, and Dolby® TrueHD via Local Network
- Control and Stream with Free Integra Remote Streaming Apps for iPod touch® / iPhone®*4 and Android Devices*5
- HDMI Video Upscaling to 4K with Qdeo™ Processing Technology by Marvell
- AccuEQ Room Calibration with Mic for Clear and Balanced Sound
- Bi-Amplifying Capability for Front Channels

*1 HDCP 2.2 is supported on HDMI Input 3 and Main Out only. *2 Availability of services depends on region. Some services may require a paid subscription and firmware update. Availability of third-party services advertised here is accurate at the time of publication, but may be subject to change without notice. *3 LPCM is supported via DLNA only. *4 Compatible with iPod touch (3rd generation or later) and iPhone 3GS or later. All models require iOS 4.2 or later. *5 Requires Android OS 2.1 or later.

OTHER FEATURES

- 135 W/Ch at 8 Ω, 20 Hz–20 kHz, 0.08% THD, 2 Channels Driven, FTC 230 W/Ch at 6 Ω, 1 kHz, 1% THD, 1 Channel Driven, JEITA
- WRAT (Wide Range Amplifier Technology)
- DTS Neo:X™ Upmixing and Surround Modes

- HDMI Support for 4K / 60 Hz Video, 3D, Audio Return Channel, DeepColor™, x.v.Color™, LipSync, Dolby Atmos, Dolby® TrueHD, DTS-HD Master Audio™, DVD-Audio, Super Audio CD, Multichannel PCM, and CEC
- 7 x TI Burr-Brown 192 kHz / 32-bit Two-Channel D/A Converters
- Dual 32-bit Digital Signal Processing Engines
- Advanced Music Optimizer to Improve Compressed Digital Audio Quality
- PM (Phase-Matching) Bass Boost for Deep Bass and Clear Mid-Range
- 4 DSP Modes for Gaming: Rock, Sports, Action, and RPG (Role-Playing Game)
- 8 HDMI Inputs (1 Front / 7 Rear) and 3 Outputs
- Frontside HDMI / MHL™ for 1080p Video and Stills from Smartphone and Tablet
- USB Port (Front) for Mass Storage Class USB Memory Audio Playback Capability
- Component Video Switching (2 Inputs and 1 Output)
- 4 Composite Video Inputs (1 Front / 3 Rear) and 2 Outputs (Including Zone 2)
- 6 Digital Audio Inputs (3 Optical and 3 Coaxial)
- 7 Analog Audio Inputs (1 Front / 6 Rear)
- Phono Input (MM) for Turntable Connection
- 4 Parallel Subwoofer Pre-Outs
- Assignable Amp Channels for to Power Passive Subwoofer (x2)
- Overlaid Input Source Preview with InstaPrevue™ Technology
- Overlaid On-Screen Display (OSD) with Quick Set-Up and Home Menu
- Hybrid Standby with HDMI Passthrough and Network Connectivity
- 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 600 ms in 1 ms Steps at 48 kHz)
- Tone Control (Bass / Treble) for All Channels
- Compatible with RI Dock for iPod / iPhone and AirPlay (DMI-40.4)
- Bi-Directional, Preprogrammed, and Customizable RI Remote Control

CUSTOM INTEGRATION FEATURES

- Bi-Directional Ethernet and RS232 Port for Control
- Powered Zone 2 / 3, and Zone 2 / 3 Line-Outs for Distributed Audio Playback
- Assignable Zone 2 DAC for HDMI Audio Signals
- Whole House Mode for Synchronized Housewide Audio
- Smart Grid Ready
- Independent Zone 2 Tone Control (Bass / Treble / Balance)
- Dealer Settings Memory Store & Recall with Lock / Unlock
- 3 Programmable 12 V Triggers (with Adjustable Delay)
- Optional Rack Mount Kit Available (IRK-180-4B)
- RIHD (Remote Interactive over HDMI) for System Control*

*Compatibility depends on respective model.



SPECIFICATIONS

AMPLIFIER SECTION

Power Output	
All Channels:	135 W/Ch at 8 Ω, 20 Hz–20 kHz, 0.08% THD, 2 Channels Driven, FTC 230 W/Ch at 6 Ω, 1 kHz, 1% THD, 1 Channel Driven, JEITA
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)
Rated XLR Output Level and Impedance:	400 mV / 470 Ω (Pre Out)
Maximum XLR Output Level and Impedance:	9.2 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

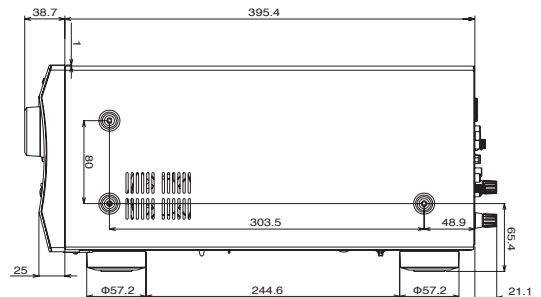
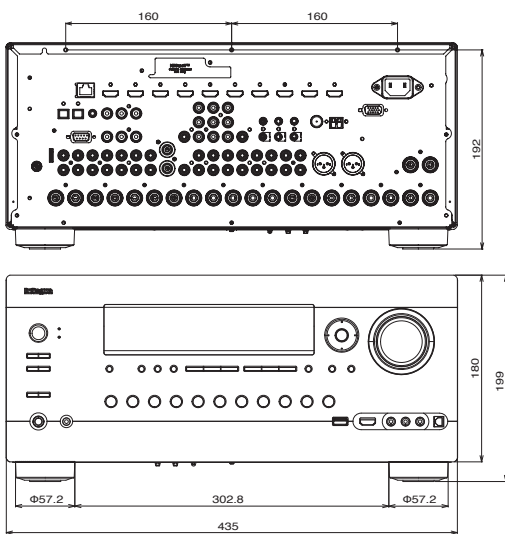
Input Sensitivity / Output Level and Impedance:	1.0 V _{p-p} / 75 Ω (Component Y) 0.7 V _{p-p} / 75 Ω (Component Pb / Cb, Pr / Cr) 1.0 V _{p-p} / 75 Ω (Composite)
Component Video Frequency Response:	5 Hz–100 MHz / +0 dB, -3 dB

TUNER SECTION

Tuning Frequency Range:	FM 87.5 MHz–108.0 MHz AM 522 / 530 kHz–1,611 / 1,710 kHz
FM / AM Preset Memory:	40 stations

GENERAL

Power Supply:	AC 220–240 V~, 50 / 60 Hz
Power Consumption:	1,105 W
No-Sound Power Consumption:	155 W
Stand-by Power Consumption:	0.13 W
Dimensions (W x H x D):	435 x 199 x 455.5 mm
Weight:	21.5 kg
CARTON	
Dimensions (W x H x D):	602 x 337 x 594 mm
Weight:	26.0 kg



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