

# DTR-20.4

5.2-CHANNEL NETWORK A/V RECEIVER



Inspired design and breathtaking performance await you. With advanced A/V processing, online content integration, and multi-zone audio distribution, the DTR-20.4 effortlessly transforms your home into a high-resolution heaven.

## ADVANCED FEATURES

- HDMI® Support for 3D, Audio Return Channel, Deep Color™, x.v.Color™, LipSync, Dolby® TrueHD, DTS-HD Master Audio™, DVD-Audio, Super Audio CD, Multichannel PCM, and CEC
- HDMI Video Upscaling to 4K with Qdeo™ Technology by Marvell
- MHL (Mobile High-Definition Link) for Smart Phone Content on HDTV
- Picture-in-Picture Input Source Preview with InstaPrevue™ Technology
- Direct Digital Connection of iPod®/iPhone® via Front-Panel USB Port
- TI Burr-Brown 192 kHz/24-Bit DACs (PCM1690) for All Channels
- Fully Discrete Output Stage Circuitry
- Three-Stage Inverted Darlington Circuitry
- PLL (Phase Locked Loop) Jitter-Cleaning Circuit Technology for S/PDIF Audio
- 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, LPCM)
- Internet Radio and Cloud Music Streaming Service Connectivity (Last fm, MP3 tunes, vTuner, Spotify, AUPEO!)\*<sup>1</sup>
- Supports Integra Remote Apps for iPod touch/iPhone<sup>®2</sup> and Android Phone<sup>®3</sup>
- Compatible with UWF-1 Wireless LAN Adapter (via Front USB Port)
- Compatible with UBT-1 Bluetooth USB Adapter (via Front USB Port)
- Certified with Windows® 7 and DLNA Version 1.5
- 7 HDMI Inputs and 1 Output
- 2 Parallel Subwoofer Pre Outs
- 4 DSP Modes for Gaming: Rock, Sports, Action, and RPG
- Hybrid Standby Function to Reduce Power Consumption

<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

- 130 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
- Optimum Gain Volume Circuitry
- Dolby® Pro Logic® IIz for Expanded Surround Channels
- Dolby® TrueHD and DTS-HD Master Audio™ Decoding
- Advanced 32-Bit Processing DSP Chip
- Advanced Music Optimizer for Compressed Digital Music Files
- 2 USB Ports (1 Front/1 Rear)
- Mass Storage Class USB Memory Playback Capability
- Theater-Dimensional Virtual Surround Function
- CinemaFILTER™
- Direct Mode

- Double Bass Function
- Non-Scaling Configuration
- A-Form Listening Mode Memory
- HDTV-Capable (720p/1080i) Component Video Switching (2 Inputs and 1 Output)
- 5 Composite Video Inputs (1 Front/4 Rear) and 1 Output
- 4 Digital Audio Inputs (2 Optical and 2 Coaxial)
- 6 Analog Audio Inputs (1 front/5 rear)
- Surround Back or Front High Pre Out
- Color-Coded, Banana Plug-Compatible Speaker Posts
- Audyssey 2EQ® for Room Acoustic Correction
- Audyssey Dynamic EQ® for Loudness Correction
- Audyssey Dynamic Volume® to Maintain Optimal Listening Level and Dynamic Range
- Independent Crossover Adjustment (40/45/50/55/60/70/80/90/100/110/120/130/150/200 Hz)
- A/V Sync Control (Up to 800 ms at 48 kHz)
- Tone Control (Bass/Treble) for Front L/R Channels
- Display Dimmer (Normal/Dim/Dimmer)
- 40 FM/AM Random Presets
- Firmware Updates via Ethernet and USB
- Preprogrammed RI (Remote Interactive) Remote Control

## CUSTOM INTEGRATION FEATURES

- Bi-Directional Ethernet and RS232 Port for Control
- Zone 2 Pre/Line-Out for Distributed Audio Playback in Another Room
- 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 12V Triggers (with Adjustable Delay)
- Optional Rack Mount Kit Available (IRK-155-3B/3C)
- RIHD (Remote Interactive over HDMI) for System Control \*

\*Compatibility depends on respective model.

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READY



lost.fm



USB

RIHD

RDS

RI



## SPECIFICATIONS

### AMPLIFIER SECTION

Power Output	
All Channels:	130 W/Ch at 6 Ω, 1 kHz, 1%, 1 Channel Driven, IEC
Dynamic Power	180 W (3 Ω, 1 ch) 160 W (4 Ω, 1 ch) 100 W (8 Ω, 1 ch)
THD (Total Harmonic Distortion) :	0.08% (20Hz-20kHz, Half power)
Damping Factor:	60 (Front, 1 kHz, 8 Ω)
Input Sensitivity and Impedance:	200 mV/47 kΩ (Line)
Rated RCA Output Level and Impedance :	200 mV/2.2 kΩ (Line out)
Maximum RCA Output Level and Impedance :	2.0V/2.2 kΩ (Line out)
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:	106 dB (Line, IHF-A)
Speaker Impedance:	6 Ω–16 Ω

### VIDEO SECTION

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

### TUNER SECTION

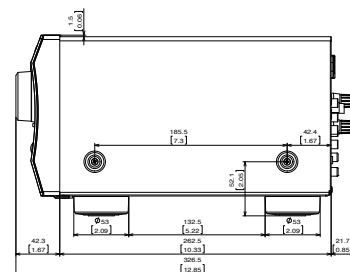
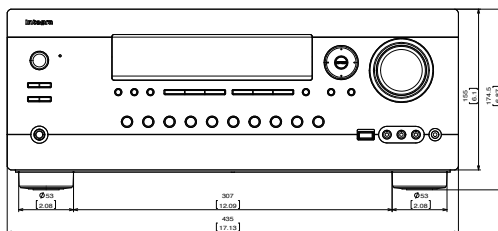
Tuning Frequency Range:	FM 87.5 MHz–108 MHz AM 530 kHz–1,611 kHz
FM/AM Preset Memory:	40 stations

### GENERAL

Power Supply:	AC 230 V~, 50 Hz
Power Consumption:	400 W
Stand-by Power Consumption:	0.15W
Dimensions (W x H x D):	435 x 174.5 x 326.5 mm
Weight:	8.8 kg

### CARTON

Dimensions (W x H x D):	570 x 297 x 423 mm
Weight:	11.5 kg



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