## Integra

# DTR-50.3

7.2-CHANNEL NETWORK A/V RECEIVER



The DTR-50.3 revels 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<sup>®</sup> 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\*1
- · 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, SIRIUS XM Internet Radio®, Mediafly, Pandora®, Slacker™, Napster, Rhapsody®)\*²
- · 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)
- $^{\:\raisebox{3.5pt}{\text{\circle*{1.5}}}}$  4 DSP Modes for Gaming: Rock, Sports, Action, and RPG
- · Universal Port for Onkyo Peripheral Devices Such as UP-A1 Dock for iPod/iPhone, UP-HT1 HD Radio™ 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

- · 135 Watts per Channel at 8 Ohms, 20 Hz-20 kHz, 0.08%, 2 Channels Driven, FTC
- · 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
- · Audyssev 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)
- $\cdot\,\text{A/V}$  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)
- · Optional Rack Mount Kit Available (IRK-180-4A)
- · RIHD (Remote Interactive over HDMI) for System Control \*

\*Compatibility depends on respective model.

## **Integra**®

## MR-50

#### 7.2-CHANNEL NETWORK A/V RECEIVER























NETWORK











(((SiriusXM)))

@ diaffu



napster.

**€** Rhapsody

lost.fm

H) Radio



**USB** 

7.1 ::::°

RIHD



RI

iPod ☐iPhone



#### **SPECIFICATIONS**

#### AMPLIFIER SECTION

Power Output All Channels:

Dynamic Power:

135 W/Ch at 8 ohms, 20 Hz-20 kHz, 0.08% 2 channels driven ETC: 145 W/Ch at 8 ohms, 1 kHz, 0.7%, 2 channels driven, FTC; 160 W/Ch at 6 ohms, 1 kHz 0.1%, 2 channels driven, FTC 300 W (3 ohms, Front)

0.08% (20 Hz-20 kHz, Half power)

250 W (4 ohms, Front) 150 W (8 ohms, Front)

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%)

±10 dB, 50 Hz (Bass)

5 Hz-100 kHz/+1 dB, -3 dB (Direct mode)

4 ohms-16 ohms or 6 ohms-16 ohms

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:

±10 dB, 20 kHz (Treble) Signal-to-Noise Ratio: 110 dB (Line, IHF-A) 80 dB (Phono MM, IHF-A)

Speaker Impedance:

VIDEO SECTION

Input Sensitivity/Output Level and Impedance:

1.0 Vp-p/75 ohms (Component and S-Video Y) 0.7 Vp-p/75 ohms (Component PB/CB, PR/CR) 0.25 Vp-p/75 ohms (S-Video C) 1.0 Vp-p/75 ohms (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

40 stations

FM/AM Preset Memory:

### GENERAL

Power Supply: AC 120 V~, 60 Hz

Power Consumption:

Dimensions (W x H x D): 17 1/8" x 7 13/16" x 14 13/16" (435 x 198.5 x 427.5 mm)

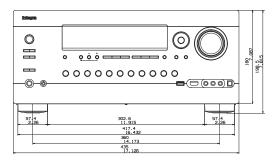
Weight: 39.5 lbs. (17.9 kg)

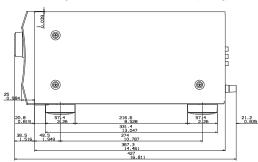
#### CARTON

Dimensions (W x H x D):

23 1/8" x 13 1/4" x 21 3/4" (587 x 337 x 553 mm)

Weight: 48.5 lbs. (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 log is a trademark of DTS, Inc. Manufactured under license from Audyssey Laboratories, Inc. U.S. and foreign patents pending, Audyssey MURIC XT, Audyssey Pynamic EQ, and Audyssey DNS 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 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 performance standards. Apple is not responsible for the operation of into educe or its compliance with safety after degulatory standards. Heast 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. Odeo and QuietVideo are trademarks of Marvell or its affiliates. HOX StreamClean and Auto HOX are trademarks or registered trademarks of thetegrated Device Technology, Inc. SIRIUS, XM and all related marks and logos are trademarks of SIRIUS XM Radio Inc. and its subsidiaries. HD Radio and the HD Radio logo are trademarks of

DIFFERENCE AND DATE TO THE SUBSIDIARIES. HD Radio and the HD Radio logo are tradem ibliquity Digital Corp. WRAT, Music Optimizer, and Theater-Dimensional are trademarks of Onkyo Corporation. All other trademarks and registered trademarks are the property of their

trademarks are the property of their respective holders.