



From solid alloy faceplate to gold-plated XLR pre-outs, the DHC-80.6 exudes audiophile quality. Triple power transformers, cutting-edge processing technology and Dolby Atmos® makes the DHC-80.6 an excellent choice for theater sound and/or multizone A/V entertainment.

### ADVANCED FEATURES

- Supports Dolby Atmos® Surround Format for Exciting Multiplex Sound
- THX® Ultra2™ Plus Certified for Theater-Reference Audio Quality
- ISF (Imaging Science Foundation) Video Calibration for Optimal Video Performance
- Toroidal Transformer and Two Separate Transformers for Audio and Video Processing
- Separate Processing Block Construction
- 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
- Fully Discrete Output Stage Circuitry
- 11.4-Channel Balanced XLR Pre-Outs (Front L / R), Audio-Grade 18 mm-pitch RCA Pre-Outs (Front L / R), and 11.4 Multichannel Pre-Outs
- 2-Channel Balanced XLR Audio Inputs (Mono Selectable)
- Hand Selected, Audio Tuned Parts to Ensure Low-Impedance, High-Current Performance
- Customized Low-Noise, High-Performance Transformer and Audio Tuned Custom Capacitors
- 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®, Slacker™, SIRIUS XM Internet Radio®, Spotify, and AUPEO!)\*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

\*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

- DTS Neo:X™ Upmixing and Surround Modes
- HDMI 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
- 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
- Zone 2 / 3 Line-Outs for Distributed Audio Playback in Multiple Rooms
- Assignable Zone 2 DAC for HDMI Audio Signals
- Independent Zone 2 Tone Control (Bass / Treble / Balance)
- Whole House Mode for Synchronized Housewide Audio
- Smart Grid Ready
- 2 IR Inputs and 1 Output
- Dealer Settings Memory Store & Recall with Lock / Unlock
- Permanently Stored Settings
- 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

THD+N (Total Harmonic Distortion + Noise): 0.008% (20 Hz–20 kHz, Half Power)  
 Damping Factor: 60 (Front, 1 kHz, 8 Ohms)  
 Input Sensitivity and Impedance: 200 mV / 47 k-Ohms (Line)  
 2.5 mV / 47 k-Ohms (Phono MM)  
 Rated RCA Output Level and Impedance: 200 mV / 470 Ohms (Pre Out)  
 Maximum RCA Output Level and Impedance: 4.6 V / 470 Ohms (Pre Out)  
 Rated XLR Output Level and Impedance: 400 mV / 470 Ohms (Pre Out)  
 Maximum XLR Output Level and Impedance: 9.2 V / 470 Ohms (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)

#### VIDEO SECTION

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

#### TUNER SECTION

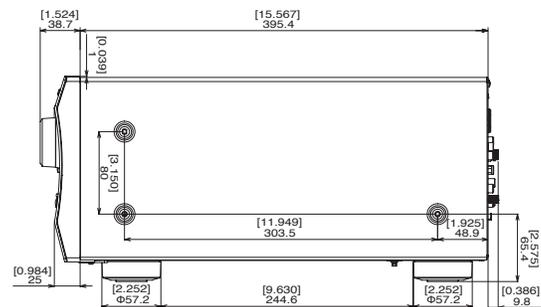
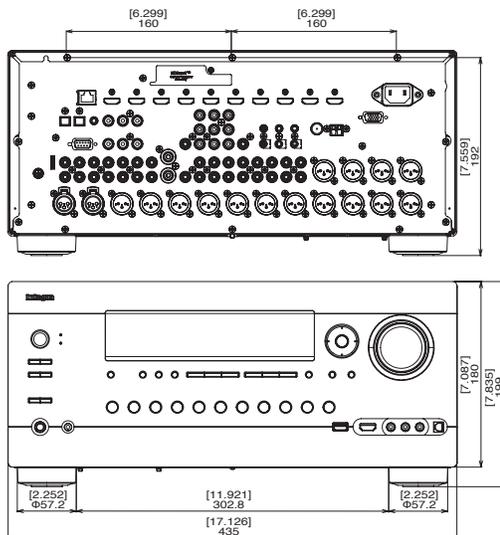
Tuning Frequency Range: FM 87.5 MHz–107.9 MHz  
 AM 530 kHz–1,710 kHz  
 FM / AM Preset Memory: 40 stations

#### GENERAL

Power Supply: AC 120 V~, 60 Hz  
 Power Consumption: 0.6 A  
 No-Sound Power Consumption: 55 W  
 Stand-by Power Consumption: 0.1 W  
 Dimensions (W x H x D): 17 1/8" x 7 13/16" x 17 1/2"  
 (435 x 199 x 444 mm)  
 Weight: 29.8 lbs. (13.5 kg)

#### CARTON

Dimensions (W x H x D): 23 11/16" x 13 1/4" x 23 3/8"  
 (602 x 337 x 594 mm)  
 Weight: 39.7 lbs. (18.0 kg)



Due to a policy of continuous product improvement, Integra reserves the right to change specifications and appearance without notice. THX, the THX logo, and Select2 are trademarks of THX Ltd. THX and the THX logo are registered in the U.S. and other jurisdictions. All rights reserved. Manufactured under license from Dolby Laboratories. DTS, DTS-HD, the Symbol, & DTS and the Symbol together are registered trademarks, and DTS-HD Master Audio and DTS NeoX 11.1 are trademarks of DTS, Inc. All Rights Reserved. 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. 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 device with iPod or iPhone may affect wireless performance. Android is a trademark of Google Inc. InstaPrevue and the InstaPrevue logo are trademarks or registered trademarks of Silicon Image, Inc. in the United States and other countries. MHL, the MHL logo, and Mobile High-Definition Link are trademarks or registered trademarks of MHL LLC in the United States and other countries. Qdeo and QuietVideo are trademarks of Marvell or its affiliates. SIRIUS, XM and all related marks and logos are trademarks of SIRIUS XM Radio Inc. and its subsidiaries. Music Optimizer, Theater-Dimensional, and AccuEQ are trademarks of Onkyo Corporation. All other trademarks and registered trademarks are the property of their respective holders.