

DTR-7.8

THE BEAUTY AND THE BEAST- THX ULTRA2 CERTIFICATION ENSURES THAT LURKING BEHIND THE BEAUTIFUL CURVED ALUMINUM FRONT PANEL OF THE DTR-7.8 LIES THE BRUTE STRENGTH, PRECISION, PROCESSING POWER, AND OUTSTANDING BUILD QUALITY NECESSARY TO MAKE IT THE PERFECT HOME ENTERTAINMENT CENTERPIECE FOR THE ENTHUSIAST WHO DEMANDS THE VERY BEST HOME THEATER EXPERIENCE.



THX ULTRA2, 7.1-CHANNEL 3-ZONE HOME THEATER RECEIVER

AMPLIFICATION:

- 7 x 160 Watts/Channel at 6Ω
- 7 x 130 Watts/Channel at 8Ω
- Certified 4Ω Performance
- Dual Push-Pull Amplifier Design w/3-stage Inverted Darlington Circuitry
- High Instantaneous Current Capability (60A)
- Discrete Output Stages for All Channels
- Wide Range Amplifier Technology, 5Hz - 100kHz
- Linear Optimum Gain Volume Circuitry
- Independent Block Construction (Amp/Preamp)
- Bi-amp Capability for Front L/R Channels

PROCESSING:

- THX™ Ultra2 Certified
- HDMI (v.1.3a) Audio & Video Processing
- Audyssey MultiEQ XT Advanced Room Correction
- DTS-HD Master Audio, DTS-HD High-Resolution Audio, Dolby TrueHD, Dolby Digital Plus Decoding
- Burr Brown 192 kHz/24-bit DACs for All Channels
- Neural THX Surround Processing
- Three Advanced TI 32-Bit Processing DSP Chips
- De-interlacer w/Faroudja DCDi Edge™ Technology
- IntelliVolume Input Level Calibration System
- 15-band Graphic Equalizer
- A/V Sync Delay Adjustment by Input (up to 250ms)

CONNECTIONS:

- 1080p Deep Color™ (36 bit) Capable HDMI (3in/1out) w/upconversion/transcoding
- HD Component Video (100 MHz) w/upconversion
- XM® & SIRIUS Satellite Radio Ready*
- 7.1 Multichannel Input & Pre-output
- Assignable Digital Inputs (3 HDMI/3 optical/3 coaxial)
- HDMI/Component Video Assignable to Tape/CD/Phono
- 1 Optical Digital Output
- Front Panel A/V Inputs (including optical)

*Required XM and/or SIRIUS tuner, antenna, and subscription sold separately.

CUSTOM INTEGRATION FEATURES:

- Bi-directional Ethernet & RS-232 Port for 3rd Party Control Systems (Device Discovery, E-control, etc.)
- Fixed/Variable/Powered Zone 2 w/HD Component Video & Subwoofer Output
- Fixed/Variable Zone 3 w/Subwoofer Output
- Zone 2 Bass/Treble/Balance Controls
- Main Zone/2/3 Maximum & Power On Volume Settings
- Dealer Settings Memory Store & Recall w/Lock/Unlock
- Permanently Stored Memory Settings
- Dual IR Inputs w/Common Output
- 3 Programmable 12V triggers (w/adj. delay)
- Optional Rack Mount Kit Available (IRK-175-4)

ALL INFORMATION IS TENTATIVE AND SUBJECT TO CHANGE WITHOUT NOTICE.

IMAGES ARE FOR REFERENCE ONLY AND MAY NOT REPRESENT FINAL PRODUCT.

Integra

DESIGNED TO INTEGRATE. BUILT TO STIMULATE.



FEATURES

AMPLIFICATION:

- 7 x 160 Watts/Channel at 6 ohm, 130 Watts/Channel at 8 ohm
- Discrete output stages for all channels
- Stable into 4 ohm loads
- Wide Range Amplifier Technology — WRAT (5 Hz - 100 kHz)
- Linear Optimum Gain Volume Circuitry
- High current power supply

PROCESSING:

- THX Ultra2 Certified
- DTS-HD Master Audio, DTS-HD High Resolution Audio, Dolby TrueHD, Dolby Digital Plus decoding
- Audyssey MultEQ XT advanced automatic room calibration and correction
- A-Form listening mode memory and IntelliVolume input level calibration system
- Burr Brown 192 kHz/24-bit DACs for all channels
- Three TI 32-Bit DSP Chips
- Linear Optimum Gain Volume Circuitry
- Variable subwoofer crossover with individual adjustment by speaker pair
- 15-band graphic equalizer
- A/V sync delay assignable by input (up to 250ms)
- 7.1 multi-channel input and pre-outs

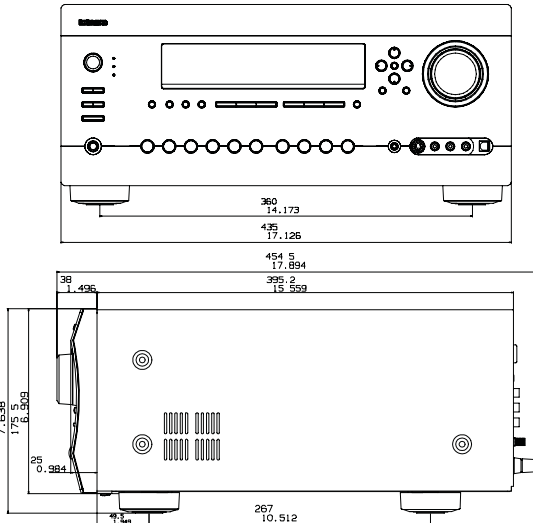
VIDEO:

- HDMI (v.1.3a) Audio and Video processing w/upconversion (3 in, 1 out)
- HD-ready 100 MHz bandwidth component video w/upconversion (3 in, 2 out)
- Deinterlacer w/Faroudja DCi Edge Technology
- Zone 2 component and composite video output

CONNECTIONS:

- XM Ready through XM Mini Tuner and Home Dock
- Sirius Ready through SiriusConnect Home Tuner Kit
- Powered Zone 2 and fixed/variable Zone 2/Zone 3 pre-outputs w/subwoofer
- Unique dealer setting reset for easy system restore
- Bi-directional RS-232 port and rear IR inputs/output
- 3 Programmable 12V triggers w/ adjustable delay

ARCHITECTURAL DRAWINGS



SPECIFICATIONS

AMPLIFIER

Continuous average power output (FTC)
 All channels:

130 W per channel min. RMS at 8 ohm,
 2 channels driven from 20 Hz to 20
 kHz with no more than 0.05% total
 harmonic distortion.
 160 W min. RMS at 6 ohm, 2 channels
 driven from 1 kHz with no more
 than 0.1% total harmonic distortion.

Dynamic power output (stereo):

2 x 300 W at 3 ohm
 2 x 250 W at 4 ohm
 2 x 150 W at 8 ohm

Frequency response:

5 Hz to 100 kHz: +1/-3 dB

Signal-to-noise ratio:

110 dB (LINE, IHF-A)

Total harmonic distortion:

0.05% at rated power

IM distortion:

0.05% at rated power

Damping factor:

60 at 8 ohm

Speaker impedance:

4 ohm to 16 ohm

INPUT SENSITIVITY AND IMPEDANCE

Line:

200 mV, 47 kohm

Phono:

2.5 mV/47 kohm

OUTPUT LEVEL AND IMPEDANCE

Rec out:

200 mV, 470 ohm

Pre out:

1 V, 470 ohm

Zone 2 line output:

100 mV, 470 ohm

ZONE CONTROL

Bass:

±10 dB at 50 Hz

Treble:

±10 dB at 20 kHz

FM

Tuning range:

87.5–107.9 MHz (100-kHz steps)

Usable sensitivity, stereo:

22.2 dBf, 2.0 µV (75 ohm IHF)

AM

Tuning range:

530–1,710 kHz (10-kHz steps)

Usable sensitivity:

300 µV/m

GENERAL

Power supply:

AC 120 V, 60 Hz

Power consumption:

9.5 A

Dimensions (W x H x D):

17-1/8" x 7-5/8" x 18-1/16"

435 x 194 x 458.5 mm

Weight:

50.9 lbs. (23.1 kg)

- Optional rack mount kit available- IRK-175-4

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"SIRIUS" is a registered trademark of SIRIUS Satellite Radio Inc.

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Product features and specifications subject to change without notice.