

DTR-10.5



"UNIQUE" – BEING WITHOUT A LIKE OR EQUAL.
THE DTR-10.5'S CUTTING EDGE TECHNOLOGY,
CARD-BASED ARCHITECTURE, AND UPGRADEABLE
HARDWARE & SOFTWARE GIVE YOU A HOME THEATER
CENTERPIECE THAT OUTPERFORMS ALL OTHERS.



CARD-BASED THX ULTRA 2 A/V RECEIVER

Customization

The DTR-10.5 is the world's first home theater receiver built around a modular, card-based architecture. Integra will work with your professional installer or retailer to configure the receiver's various connections and features to suit the specific needs of your home theater. It lives up to its flagship status with a family of plug and play card options, upgradeable software, and PC configuration program. This truly is a home theater receiver for the next generation.

Ease of Use

Integra has always been recognized for building products that are easy-to-use and integrate flawlessly into home control systems. The DTR-10.5 is no exception. Therefore while it contains the latest technologies and features, a host of control options allow for seamless operation through touchpanels, keypads, and other user interfaces. The end result is a powerful, advanced home theater system that remains simple to enjoy.

Integra®

DESIGNED TO INTERGRATE. BUILT TO STIMULATE.

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THX Ultra2 Certification

For more than a decade, THX Certification has set the highest standard for home theater equipment. Besides being able to produce exceptional movie sound quality through Ultra2 Cinema and to create truly uplifting music with Music Mode, it also features Game Mode, a post-processing technology and listening mode that revolutionizes the home video game experience by immersing the player into the action. To complete the package, Boundary Gain Compensation (BGC) reduces "boomy" bass from listening positions adjacent to walls and other obstructions.



Audiophile-Grade Components

The power supply is arguably one of the most critical components in a high-end amplifier. The DTR-10.5 employs a massive toroidal power transformer to ensure that there is plenty of current on-demand to beautifully reproduce the dynamics of music and movies. Custom high capacity filter capacitors give you greater power delivery at low frequencies, plus tremendous continuous power reserves. For hi-fi purists, discrete, precision matched output transistors provide faster switching speed, which translates into a wider dynamic range.



Wolfson® 192 kHz/24-Bit DACs for All Channels

Widely recognized as one of the industry's best, these sophisticated digital-to-analog converters from Wolfson process more information faster, deliver an impressive dynamic range, and are virtually jitter-free. If you want the best performance possible from DVD-Audio, Super Audio CD and other high-resolution formats, you'll appreciate these ultra-precise converters.



i.LINK (IEEE-1394)

The promise of DVD-Audio and Super Audio CD was an elation to music lovers around the world. Their jubilation was short lived with the realization that analog cables (up to six of them) would be needed to connect the DVD player to the receiver. It was soon recognized that these sophisticated multi-channel



recordings, with quality of sound never realized before, would require a new type of connection to bring out their true potential. Enter i.LINK – it simplifies and at the same time expands your audio experience through a high-bandwidth, high-resolution connection over a single cable. One wire carries high-resolution multi-channel audio in the digital domain to provide the blissful experience you've been waiting for, without the hassle. i.LINK – the new standard for digital audio.

High-Definition Multimedia Interface (HDMI)

HDMI adds digital video to round out the system, creating a completely digital home theater experience. While the



name may be imposing, HDMI simplifies wiring by doing away with the myriad cables required for a state-of-the-art home entertainment system. By keeping everything in the digital realm, unnecessary digital to analog conversions are eliminated. Conventional composite, S-video, and 480i component sources are upconverted to 480p for reduced "jaggies" and flicker. With technology shifting to digital displays such as plasma and LCD, a lossless digital signal guarantees the crystal-clear images and pristine music your home theater deserves. HDMI is backwards compatible with DVI displays by using an adapter cable.

Video Upconversion

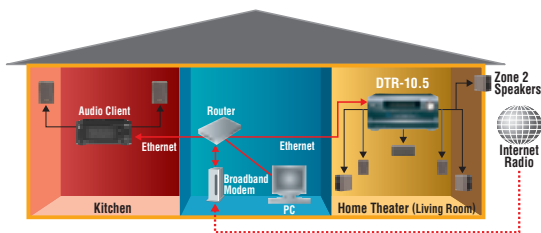
For those customers with analog displays, the DTR-10.5 also features high quality conversion of composite and S-video signals up to component video, including time-base correction for increased compatibility. While the DTR-10.5 is one of the most advanced home theater components on the face of the earth, you're still likely to have some composite or S-Video only components in your system.



Connect your VCR, cable box, or satellite receiver to the DTR-10.5 and each signal will flow to your compatible TV or projector via one component cable. This simplifies connection to your display and makes the system easier to operate since the television can always remain on the same video input.

Net-Tune

The DTR-10.5 is part of the only line-up of home theater components on the market to feature networking capability. With Integra's exclusive Net-Tune system, at the push of a button your home theater is transformed from home entertainment to home network. By connecting the receiver into your home's wired or wireless computer network, the musical possibilities are nearly endless. You can liberate music files locked inside your computer from the limitation of underperforming desktop speakers. Turn your computer into a hard disk server with the Net-Tune Central media distribution software, and stream MP3, WAV or WMA files into the DTR-10.5 and out of your home theater speakers. Plus enjoy the ability to listen to this new music source using the DTR-10.5's built-in surround processing for a full multi-channel experience. Second, bring a world of music into your home with Internet radio. With a broadband Internet connection, you'll have radio stations from around the world at your fingertips. For songs stored on your computer you may access the artists, genres, albums, and playlists, and also sort Internet radio stations by location, language, and genre – all through the receiver's on-screen display on your television. Don't worry if you don't have the TV turned on – you may also utilize the large display on the DTR-10.5's front panel. By adding Integra's dedicated music server and audio clients, you can increase the system's capabilities and enjoy music in up to 12 different rooms at the same time. Now you can listen to the kind of music you want, when you want, where you want!



Programmable A/B Speaker Outputs

Movies vs. Music

To properly configure your home theater for both 7.1 channel movies and 5.1 music formats, such as DVD-Audio and SACD, you need to have the rear speakers located in their optimum location for each format. Seem impossible? It isn't. The DTR-10.5 allows an additional pair of rear speakers to be used specifically for multi-channel music, setting the stage for an unparalleled theater and concert experience.

Two-Channel Aficionados

Are you thinking of turning your high-end two-channel listening room into a theater? Wouldn't it be convenient if you could keep those tower speakers for two-channel listening, while still being able to set up a matched 7.1 theater system? By connecting the 7.1 theater system to the "A" speaker outputs and the towers to the "B" terminals, you can enjoy the best of both. When listening to a stereo source, the DTR-10.5 will automatically switch to the "B" terminals. You may even bridge the left and right outputs to provide the high current, clean power that you and your speakers crave!



Web-Based "Configurator"

If you've purchased a computer online recently, you've probably gone through the process of selecting the specific components you desired. To guide you in customizing your home theater receiver, our web site features a similar "configurator," which allows you to select from the available card options, see a rear panel sketch including all connections, and even save your configuration for later review with your Integra dealer.

System Integration Features

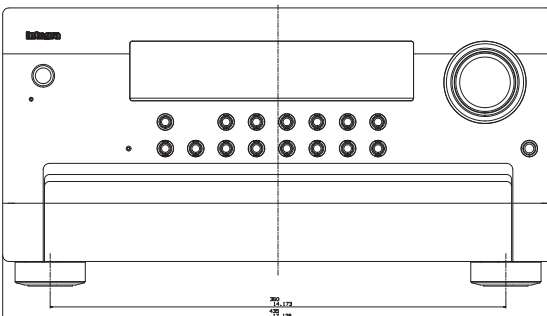
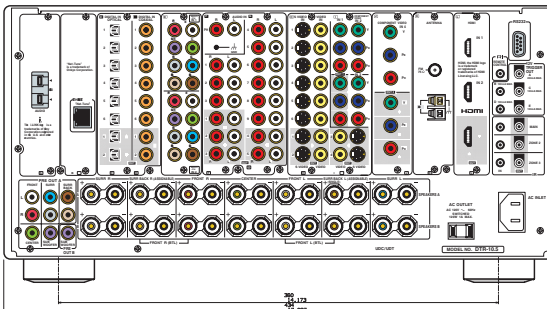
Professional installation specialists are praising the DTR-10.5's robust offering of installation features. It is able to deliver different music to the home theater plus two additional rooms in your home, simultaneously! Dedicated infrared inputs for each zone allow discrete source and volume control from each room. For sophisticated home control systems, an RS-232 control port allows full two-way communication to touchpanel displays and keypads. For controlling peripheral devices such as lights, screens and motorized shades, there are five programmable 12V trigger outputs. Given its modular configuration, we recommend that you visit your local authorized Integra dealer to assist in tailoring the DTR-10.5 for your system. Integra low voltage professionals are experts in the various disciplines required to maximize your home theater investment. Our web site provides contact information for your local Integra specialist.

A UNIQUE MODULAR DESIGN SETS THE NEW BENCHMARK IN AUDIO ENGINEERING

A truly great home theater receiver will sport a design and features that set it apart from the rest. The DTR-10.5 earns its place at the top with a unique modular design which features a vast array of the latest digital and analog inputs and outputs.



A B C D E F G H I J K L

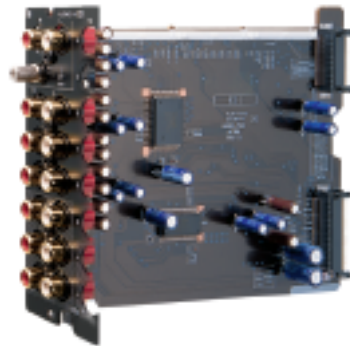


INCLUDED MODULES



Module **C D** Digital Audio C-DGTL

Features six optical and coaxial inputs, and two optical and coaxial outputs. Dual Texas Instruments® DSPs handle signal processing. Superb DACs from Wolfson Electronics feature signal-to-noise ratios much better than typically found in an integrated receiver.



Module **F G** Analog Audio C-ANLG

Features nine two-channel analog inputs for conventional sources, as well as a dedicated phono input. Five outputs are configurable for Main/Zone2/Zone3, both fixed and variable outputs are supported.



Module **H I** Video C-VIDEO

Features six composite and S-video inputs plus four assignable outputs. Component video switching includes three HD compatible inputs and one output. All composite and S-video inputs are upconverted to 480i component.



Module **K** AM/FM Tuner C-AMFM

Features 40 AM/FM presets. Discrete tuning and preset station recall are supported via IR and RS-232.

OPTIONAL MODULES



Module A

i.Link C-iLINK

All audio formats, including high-resolution multi-channel DVD-Audio and SACD, are sent in digital form from the source device to the receiver. This allows bass management and other processing to be performed digitally in the receiver.



Module L

HDMI C-HDMI

High Definition Multimedia Interface (HDMI) is the latest in digital transmission and connectivity. This format allows high definition video to be sent in the digital domain.



Module B

Net-Tune Ethernet C-NET-A

Net-Tune is a revolutionary new technology that allows your A/V receiver to plug into your home's wired or wireless network to access music stored on your PC or dedicated server, as well as Internet radio.



Module J

BNC Component C-CPNT-BNC

Adds one BNC component input and output. BNC connectors offer a positive locking connection and are commonly found on plasma displays.

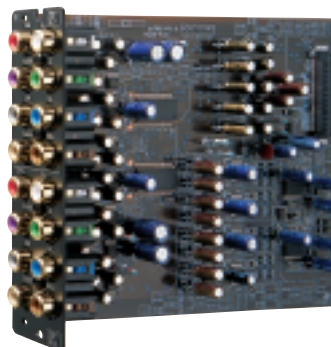
or



Module I

RCA Component C-CPNT-RCA

Provides one additional RCA component input and output. Passes high-definition video without loss or signal degradation.



Module E

Multi-channel Input C-MULTI

Features two multi-channel inputs for connection to DVD-Audio and SACD players. Digital bass management is possible and may be bypassed for "pure" listening.

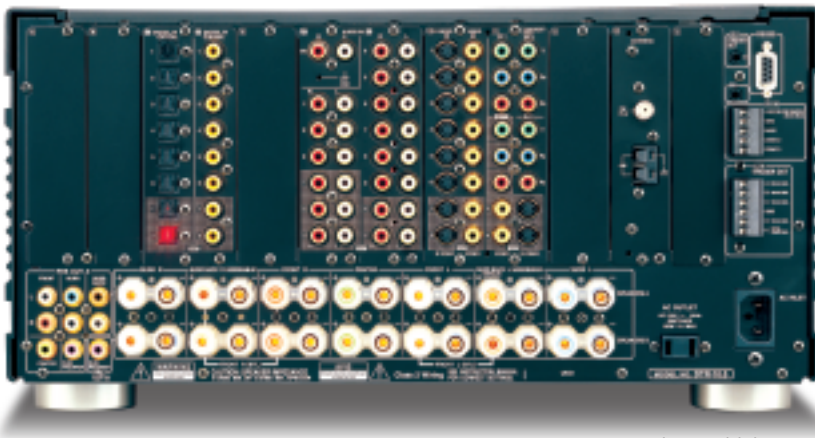
or



Module E

Multi-channel & AES/EBU C-AES

Features one multi-channel input and one AES/EBU input. The latter is a high quality digital format used in professional equipment and high-end DVD/CD transports. Digital bass management is possible and may be bypassed for "pure" listening.



(base model shown)

FEATURES

AMPLIFICATION

- THX Ultra2 Certified 7 channel amplifier
- 7 x 200 Watts/Channel at 6Ω
- 7 x 150 Watts/Channel at 8Ω
- WRAT — Wide Range Amplifier Technology (5 Hz – 100 kHz)
- Linear Optimum Gain Volume Circuitry

PROCESSING

- THX Surround EX 7.1 Processing
- Dolby Digital EX and Pro Logic IIx
- DTS and DTS-ES, DTS Neo:6, DTS 96/24
- Dolby Headphone and Dolby Virtual Speaker
- Dual 32-Bit DSP chips for main and Zone 2
- Non-scaling configuration
- Wolfson 192 kHz/24-bit D/A converters for all channels
- 39 Exclusive DSP soundfields with Direct/Pure bypass modes
- VLSC — Vector Linear Shaping Circuitry
- A-Form listening mode memory and IntelliVolume input level calibration system

VIDEO

- Conversion of composite and s-video to component and HDMI with time-base correction**
- New 5-line digital comb filter for composite to s-video conversion
- 50 MHz bandwidth, professional grade component video switching (4 in, 2 out)
- 7 Composite / S-Video inputs and 4 outputs

CONNECTIONS

- High Definition Multimedia Interface (2 in, 1 out)**
- 2 i.Link inputs for all audio formats**
- Ethernet for Net-Tune streaming audio**
- Three zone multi-room capability (Main, Zone 2 and Zone 3)
- Independent IR inputs for all 3 zones w/12VDC for IR receivers
- Bi-directional RS-232 port
- Five assignable 12VDC trigger outputs
- Programmable speaker A/B for all 7.1 channels
- Bridging capable for FL/FR using SBL/SBR
- 13 Digital inputs (7 optical, 6 coaxial, 12 assignable)
- 4 Assignable digital outputs (2 optical, 2 coaxial)
- Two sets of color-coded 7.1 multi-channel inputs, or one multi-channel input and one AES/EBU input**
- 7.1 Channel color-coded pre-outs
- Hardware & software upgradable for future additions

MISCELLANEOUS

- Direct access tuning via IR & RS-232
- Variable subwoofer crossover (40 - 150 Hz, 10 Hz steps)
- PC set-up application available via Ethernet and RS-232

*Base model configuration

**Reflects optional cards

SPECIFICATIONS

AMPLIFIER

Continuous average power output (FTC)

All channels:

150 W per channel min. RMS at 8 ohms,
2 channels driven from 20 Hz to 20
kHz with no more than 0.08% total
harmonic distortion.200 W min. RMS at 6 ohms, 2 channels
driven from 1 kHz with no more
than 0.08% total harmonic distortion.

Dynamic power output (stereo):

2 x 340 W at 3 ohms

2 x 260 W at 4 ohms

2 x 175 W at 8 ohms

Frequency response:

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

Signal-to-noise ratio:

110 dB (IHF A, 0.5 V input)

Total harmonic distortion:

0.08% at rated power

IM distortion:

0.08% at rated power

Damping factor:

60 at 8 ohms

Muting:

Set by user

INPUT SENSITIVITY AND IMPEDANCE

Line (CD, Tape, etc.):

200 mV, 50 k ohms

Multi-Channel inputs (Front L/C/R, Surround L/R,
Surround Back L/R)**:
(Subwoofer)**:

200 mV, 50 k ohms

36 mV, 50 k ohms

OUTPUT LEVEL AND IMPEDANCE

Rec out (Tape, Video 1, 2):

200 mV, 470 ohms

Pre out:

1 V, 470 ohms

Zone 2/3 line output:

100 mV, 470 ohms

tone control

Bass:

±12 dB at 50 Hz

Mid range:

±12 dB at 1,000 Hz

Treble:

±12 dB at 20,000 Hz

FM

Tuning range:

87.5–108.0 MHz (100-kHz steps)

Usable sensitivity, stereo:

17.2 dBf, 2.0 μV (75 ohms IHF)

AM

Tuning range:

530–1,710 kHz (10-kHz steps)

Usable sensitivity:

30 μV

PHONO

Input sensitivity:

2.5 mV, 50 k ohms

Overload:

70 mV RMS at 1 kHz, 0.5% THD

RIAA Deviation:

20 Hz to 20 kHz: ±0.8 dB

Signal-to-noise ratio:

80 dB (IHF A, 0.5 V input)

GENERAL

Power supply:

AC 120 V, 60 Hz

Power consumption:

13.0 A*

Dimensions (W x H x D):

17-1/8" x 8-11/16" x 18-15/16"

435 x 175 x 429 mm

Weight:

70.8 lbs. (32.1 kg)*

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