

END-TO-END DIGITAL AUDIO

ATON's DH44 Digital Audio Router with DIGI-5 Technology is a ground breaking end-to-end digital multi-source, multi-zone solution for superior sound quality with no signal loss. The DH44 can distribute four audio sources (analog or digital) into 4 zones and is expandable to 28 zones total using DH46X expansion routers. Using high-grade analog-to-digital converters, the DH44 transfers SPDIF digital audio over Cat5 wire to all connected DHTP1 Digital Amplified Touch Pads.

AN ELEGANT SOLUTION

ATON makes it easy to connect the DH44 Router to your existing audio sources and enjoy crystal clear digital audio in multiple areas throughout the house. Designed to blend into any home's interior, the customizable faceplates for the in-wall touchpads are simply elegant. The Digital Audio Router and Amplified Touchpad provide the perfect entertainment solution: easy installation, sophisticated and sleek product designs, convenient control features, and unparalleled performance.

CONVENIENT TOUCHPAD CONTROL

The DHTP1 Touchpad features a built-in, high efficiency digital amplifier (30 Watts per channel) with DDX® technology and requires no software programming to operate – just plug in and you're ready to go. Once connected to the router, the touchpad can select between four system sources and a local source.

For zones in which a local source is desired, such as an iPod®, gaming system or other in-room audio component, simply connect the DHSIP Source Input Wallplate to the DHTP1 Touchpad via Cat5 wire, plug in the local source and select it from the touchpad. The digitally amplified audio is passed from the touchpad to in-room speakers over standard speaker wire, delivering audio like you've never heard before.



ABOUT DIGI-5 TECHNOLOGY

DIGI-5 is a revolutionary new technology standard that provides a complete end-to-end digital audio solution over CAT5 wiring. DIGI-5 is based on advanced digital distribution and amplification circuits that allow multi-room audio systems to be installed quickly and cost-effectively.



SYSTEM ACCESSORIES



Source Input Wallplate (DHSIP)
For local in-room audio sources such as iPods® or gaming systems



Digital Audio Expansion Router (DH46X)
Adds 6 zones of audio to the DH44 Digital Audio Router

DH44 DIGITAL AUDIO ROUTER

FEATURES

- Routes 4 audio sources (analog or digital) to 4 zones using Cat5 wiring*
- End-to-end digital architecture delivers crystal clear sound to all zones with no signal loss
- No PC software required for setup – simply plug in DHTP1 touch pads and you're ready to go
- Whole house music mode – turns on all zones to the same audio source
- Zone pairing – groups multiple zones together
- Individual zone features:
 - Tone Control (bass/treble adjustment)
 - Balance & Loudness
 - Dynamic Range Compression
 - Source Lockout for Parental Control
 - Do Not Disturb (no page/doorbell)
- Built-in IR engine allows for remote control of all connected audio sources
- Expandable to 28 zones with additional DH46X expansion routers
- Slim line IR Remote Included
- Rack mountable 1U rack height – optional rack ear kit available (REKT)
- 2 Year Limited Warranty

SPECIFICATIONS

- 4 S/PDIF digital source inputs (optical or coax)
- 2 analog source inputs with high-grade analog/digital converters
- D5-Net input for integration with future 2-way sources and controllers
- Expansion Out and Source Loop outputs for connection to DH46X Expansion Router
- 4 source IR outputs and 1 summed ALL IR output
- Page/Doorbell trigger input for integration with page/doorbell communication controllers
- 2 Analog source input level switches to prevent overload of the analog-to-digital converters
- Clip LEDs (2) for easy identification of analog-to-digital converter clipping
- Zone pairing switches allow multiple zones to be grouped together
- Auxiliary power outputs for long touch pad wire runs (over 150 ft.)
- 4 zone touch pad outputs

* For maximum audio performance over long wiring distances (over 150 feet) an additional 16/2 wire is recommended



Slimline IR Remote Included

DHTP1 DIGITAL AMPLIFIED TOUCHPAD

FEATURES

- Connects to ATON™ DH44 / DH46X Digital Audio Routers using a single Cat5 cable*
- Built-in digital amplifier (30 Watts per channel) is super efficient, runs cool and delivers crystal clear digital audio to speakers located in each room
- No PC software programming is required – just plug in and you're ready to go
- 4 system source and 1 local source selection (local source requires DHSIP Wall Plate)
- Bright, easy-to-read LED display and backlit touch surface for source selection, volume, mute and power
- Built-in IR receiver and IR talkback LED
- Adjustable EQ (bass/treble), balance, dynamic range compression, and loudness
- Whole House Music, Do Not Disturb, and Source Lockout options
- 3 attractive Decora wall plate color options (white, almond and ivory) and matching touch surface films are included and allow you to customize the DHTP1 to each home's décor
- Removable faceplate for easy customization of the DHTP1 touch surface films

SPECIFICATIONS

Front:

- Touch surface with source select, volume, mute and power soft buttons
- Source, volume, mute and IR receive/send LEDs
- Built-in IR receiver (defeatable)

Back:

- RJ-45 System Input (From DH44/DH46X Digital Audio Routers)
- RJ-45 Local Input (From DHSIP Source Input Wall Plate)
- Left/Right Speaker Outputs
- Auxiliary Power Inputs
- External IR Receiver Input

* For maximum audio performance over long wiring distances (over 150 feet) an additional 16/2 wire is recommended for extra power

DHSIP – SOURCE INPUT WALLPLATE

- Adds a local audio source to the ATON DHTP1 Touch Pad such as an iPod®, gaming system or other in-room audio component
- RCA input converts analog audio sources to digital using high-grade A/D converters
- Digital optical and coax inputs accept Toslink or coaxial digital outputs from standard audio components
- IR output jack on the front of the wall plate allows for IR control of the local source



DH46X – DIGITAL AUDIO EXPANSION ROUTER

- Adds 6 zones of audio to the DH44 Digital Audio Router
- Rack mountable with optional rack ear kit (REKT)
- Includes all Cat5 expansion cables

