



CHT-Q Series

DIGITAL EQ HOME AUDIO SUBWOOFERS

CHT-8Q, CHT-10Q, CHT-12Q and CHT-15Q



The CHT-Q Series subwoofers are the ideal combination of technology and an intuitive user interface, and offer incredible value. Quickly and easily add a powerful, feature-rich subwoofer to your entertainment system. Use the remote control to maximize the bass in your room from any source, while a clearly visible LED display instantly confirms your choice. Backed by over 25 years of experience, the CHT-Q subwoofers deliver **great bass... made easy**.

Features

- One-touch Auto-EQ room bass correction
- Superior DSP digital performance
- Remote control with front-panel feedback
- Four one-touch listening presets
- Efficient "Green" digital amplifiers
- Digital "Distortion Limiting System" lowers audible distortion
- Extended excursion drivers
- Flexible low-pass crossover with Subwoofer Direct
- Front-firing, slotted bass reflex cabinets



Room Bass Maximization

CHT-Q subwoofers are easily matched to any room. Place the included microphone in your favorite seating position, push the remote's "EQ" button, and a five-band equalizer automatically adjusts your sub for great sounding bass.

DSP Digitally Controlled

Embedded Digital Signal Processing chips control all audio functions with digital precision that is unsurpassed in this price range, tuning the subwoofer more accurately than analog systems and producing louder, lower, more accurate bass.

Convenient Remote Control with Easy to Read LED Display

CHT-Q subwoofers offer high technology made easy! The remote control lets you control all the sub's functions from the comfort of your favorite chair with visible feedback on the front panel. Adjust the volume, blend perfectly with the main speakers, customize the bass to your taste or input source, or limit the subwoofers' output for night listening, or neighbor-friendliness - all with one touch.

Efficient "Green" Digital Amplifiers

A newly designed series of efficient, low-noise, digital "Class D" amplifiers feature a switching-mode power supply.

Velodyne's DSP Distortion Limiting System

The digital precision of Velodyne's Distortion Limiting System assures maximum driver excursion and amplifier output, reproducing music and home theater with a fraction of the audible distortion found in competitive products, without sacrificing output or dynamics.

Extended Excursion Drivers

The four customized drivers feature vented pole pieces and custom-wound copper voice coils to dissipate heat and limit distortion, for long-term reliability and listening enjoyment.

Flexible Crossover with "Subwoofer Direct"

CHT-Q subwoofers include an adjustable 40 Hz – 120 Hz low pass crossover that allows the sub to ideally match any main speakers. The Subwoofer Direct feature allows the CHT-Q subs to play the output of the LFE channel of a 5.1 or 7.1 channel receiver unaltered, assuring the highest levels of performance without any degradation.

Cabinet Design

The CHT-Q Series cabinets are engineered using a front-firing, slotted bass-reflex design, minimizing the distortion known as "port noise" and maximizing bass impact. With all the bass generated forward, CHT-Q subwoofers are easily placed in any location, or concealed in custom cabinetry.

S P E C I F I C A T I O N S

SPECIFICATIONS	CHT-8Q	CHT-10Q	CHT-12Q	CHT-15Q
Woofer	8" (20.3 cm) forward firing (6.3" piston diameter)	10" (24.5 cm) forward firing (8.2" piston diameter)	12" (30.5 cm) forward firing (9.7" piston diameter)	15" (38 cm) forward firing (12.7" piston diameter)
Amplifier: Class D	360 watts Dynamic/ 180 watts RMS Power	390 watts Dynamic/ 195 watts RMS Power	450 watts Dynamic/ 225 watts RMS Power	1500 watts Dynamic/ 750 watts RMS Power
Cabinet Design	Extended Excursion Slot-Loaded Bass-Reflex	Extended Excursion Slot-Loaded Bass-Reflex	Extended Excursion Slot-Loaded Bass-Reflex	Extended Excursion Slot-Loaded Bass-Reflex
Frequency Response Overall (+/-3 dB)	17 - 240 Hz 32 - 120 Hz	16 - 240 Hz 28 - 120 Hz	14.6 - 240 Hz 25 - 120 Hz	14 - 240 Hz 23 - 120 Hz
Voice Coil	2-Layer copper	2-Layer copper	2-Layer copper	2.5" 4-Layer copper
Cone	Reinforced fiber	Reinforced fiber	Reinforced fiber	Reinforced fiber
Magnet Structure	2.5 lbs	2.5 lbs	3.5 lbs	4.4 lbs
Speaker-Level Pass-Through	Fixed at 120 Hz high-pass	Fixed at 120 Hz high-pass	Fixed at 120 Hz high-pass	Fixed at 120 Hz high-pass
Low-Pass Crossover	40 - 120 Hz adjustable (12 dB octave, 24 dB ultimate)	40 - 120 Hz adjustable (12 dB octave, 24 dB ultimate)	40 - 120 Hz adjustable (12 dB octave, 24 dB ultimate)	40 - 120 Hz adjustable (12 dB octave, 24 dB ultimate)
Outputs	Line-level	Line-level	Line-level	Line-level
Inputs	Gold plated line-level	Gold plated line-level	Gold plated line-level	Gold plated line-level
Digital Phase	0, 90, 180, 270 degrees	0, 90, 180, 270 degrees	0, 90, 180, 270 degrees	0, 90, 180, 270 degrees
Auto On/Off	Yes	Yes	Yes	Yes
Removable Grille	Yes	Yes	Yes	Yes
Video Shielding	No	No	No	No
LED Display	Yes	Yes	Yes	Yes
Accessories	Mic, mic stand, remote control	Mic, mic stand, remote control	Mic, mic stand, remote control	Mic, mic stand, remote control
Cabinet (H,W,D) (cm) with grille	15.25" x 12" x 16.375" 38.7 x 30.5 x 41.6	16" x 15" x 18.25" 40.6 x 38.1 x 46.4	18" x 15" x 19.5" 45.7 x 38.1 x 49.5	21" x 18.375" x 20.75" 53.3 x 46.7 x 52.7
Warranty (parts/labor)	Three years (electronics) Five years (drivers)	Three years (electronics) Five years (drivers)	Three years (electronics) Five years (drivers)	Three years (electronics) Five years (drivers)
Shipping Weight (approx.)	44 lbs. (20 Kg)	55 lbs. (25 Kg)	61 lbs. (28 Kg)	75 lbs. (34 Kg)



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