

#### **CHT-8**

##### **8" FORWARD FIRING SUBWOOFER**

(6.3" Piston Diameter)  
Frequency Response: 35-140 Hz  $\pm$ 3 dB  
High Pass Crossover (6 dB/octave slope): Passive 85Hz  
Low Pass Crossover (12 dB octave, 24 dB ultimate):  
40Hz-120Hz (adjustable)  
Auto On/Off  
Dynamic Power: 350 watts  
RMS Power: 130 watts  
Magnet: 40 oz.  
Voice Coil: 2" 2-layer copper  
Inputs: Line-level and speaker-level  
Outputs: Line-level and speaker-level  
Crossover bypass: Subwoofer Direct  
Cone: Reinforced fiber  
Cabinet (H/W/D): 15" x 12" x 18"  
Weight: 44 lbs.  
Warranty: 2 years (parts & labor)  
Finish: Black Vinyl

#### **CHT-12**

##### **12" FORWARD FIRING SUBWOOFER**

(9.9" Piston Diameter)  
Frequency Response: 25-120 Hz  $\pm$ 3 dB  
High Pass Crossover (6 dB/octave slope): 80Hz or 100Hz  
Low Pass Crossover (12 dB octave, 24 dB ultimate):  
40Hz-120Hz (adjustable)  
Auto On/Off  
Dynamic Power: 400 watts  
RMS Power: 170 watts  
Magnet: 55 oz.  
Voice Coil: 2" 4-layer copper  
Inputs: Line-level and speaker-level  
Outputs: Line-level and speaker-level  
Crossover bypass: Subwoofer Direct  
Cone: Reinforced fiber  
Cabinet (H/W/D): 18" x 15" x 21"  
Weight: 60 lbs.  
Warranty: 2 years (parts & labor)  
Finish: Black vinyl

#### **CHT-10**

##### **10" FORWARD FIRING SUBWOOFER**

(8.2" Piston Diameter)  
Frequency Response: 28-120 Hz  $\pm$ 3 dB  
High Pass Crossover (6 dB/octave slope): Passive 85Hz  
Low Pass Crossover (12 dB octave, 24 dB ultimate):  
40Hz-120Hz (adjustable)  
Auto On/Off  
Dynamic Power: 375 watts  
RMS Power: 150 watts  
Magnet: 40 oz.  
Voice Coil: 2" 4-layer copper  
Inputs: Line-level and speaker-level  
Outputs: Line-level and speaker-level  
Crossover bypass: Subwoofer Direct  
Cone: Reinforced fiber  
Cabinet (H/W/D): 16.25" x 15" x 19.75"  
Weight: 53 lbs.  
Warranty: 2 years (parts & labor)  
Finish: Black vinyl

#### **CHT-15**

##### **15" FORWARD FIRING SUBWOOFER**

(12.7" Piston Diameter)  
Frequency Response: 23-120 Hz  $\pm$ 3 dB  
High Pass Crossover (6 dB/octave slope): 80Hz or 100Hz  
Low Pass Crossover (12 dB octave, 24 dB ultimate):  
40Hz-120Hz (adjustable)  
Auto On/Off  
Dynamic Power: 750 watts  
RMS Power: 300 watts  
Magnet: 70 oz.  
Voice Coil: 2 1/2" copper  
Inputs: Line-level and speaker-level  
Outputs: Line-level and speaker-level  
Crossover bypass: Subwoofer Direct  
Cone: Reinforced fiber  
Cabinet (H/W/D): 21" x 18.5" x 22.75"  
Weight: 83 lbs.  
Warranty: 2 years (parts & labor)  
Finish: Black vinyl

#### **CHT-14**

##### **SATELLITES**

Tweeter: 1" (.95" Piston Diameter) soft-dome, ferro-fluid cooled  
Mid-woofer: 4" (3.5" Piston Diameter) long throw  
Frequency Response: 90Hz - 22 kHz  $\pm$ 2 dB  
Power Ratings: 25 watts min/150 watts max  
Sensitivity: 88 dB (2.83V @ 1 meter)  
Impedance: 6 ohms (compatible with 8 ohm receivers)  
Mid-Range: Magnet: 17 oz.  
Cone: Polypropylene-coated fiber with an inverted dust cap and rubber surround  
Die-cast aluminum baskets  
Crossover: High quality mylar film capacitors and over power protection (18 dB/octave)  
Cabinet (H/W/D): 8.5" x 5.5" x 6.25"  
Weight: 14 lbs.  
Warranty: 5 years  
Finish: Gray or White Vinyl (laminated MDF)

#### **CHT-24**

##### **CENTER CHANNEL**

Tweeter: 1" (.95" Piston Diameter) soft-dome, ferro-fluid cooled  
Mid-woofer: Two 4" (3.5" Piston Diameter) long throw  
Frequency Response: 90Hz - 22 kHz  $\pm$ 1.5 dB  
Power Ratings: 25 watts min/150 watts max  
Sensitivity: 89 dB (2.83V @ 1meter)  
Impedance: 6 ohm (compatible with 8 ohm receivers)  
Mid-Range: Magnet: 17 oz.  
Cone: Polypropylene-coated fiber with an inverted dust cap and rubber surround  
Die-cast aluminum baskets  
Crossover: High quality mylar film capacitors and over power protection (18 dB/octave)  
Cabinet (H/W/D): 5.5" x 13" x 6.25"  
Weight: 14 lbs.  
Warranty: 5 years  
Finish: Gray Vinyl (laminated MDF)

**Velodyne**

**Velodyne** C H T S E R I E S

**Classic Home Theater satellites from Velodyne are here. Precise sonic reproduction, compact, high definition satellites.**

With the introduction of its first subwoofer, Velodyne set the ultimate performance standard for a whole new category of audio and video products. In the years since, both ongoing refinements and engineering breakthroughs have kept Velodyne products at the top of the list for tough industry reviewers, home theater aficionados, and discerning music lovers alike. Velodyne's dedication to excellence can be heard and seen in every product it makes.



**H**earth-pounding bass. Stunning, clear sound from all directions. These are the hallmarks of today's high-tech movie sound experience. But many who want that classic theater sound at home don't have the space — or the budget — for the huge and expensive subwoofer and speakers that can make it happen. At the same time, they've been disappointed by the weak bass and thin sound of smaller, more affordable systems they've heard.

As the acknowledged leader in state-of-the-art subwoofer systems, Velodyne knows exactly what it takes to get that classic home theater sound. Now, thanks to Velodyne's brilliant engineering, meticulous design and efficient manufacturing, it takes *less* to get true theater sound — less space, less complexity, and a much smaller bite out of the budget. Introducing the Velodyne Classic Home Theater Series!

**“...THE CHT-12 IS ONE OF THE FEW SUBWOOFERS I'VE TESTED AT ANY PRICE THAT COULD PRODUCE CLEAN OUTPUT AT 20HZ...”**  
*Tom Noursaine, Stereo Review June 1998*

**T**he subwoofer is the soul of great home theater sound, and Velodyne is the acknowledged leader in high-performance subs. Each Velodyne CHT Series powered subwoofer honestly delivers the authentic deep bass and high output needed for exciting movie sound effects. But, the CHT Series subs also deliver other essential Velodyne qualities of sonic accuracy and fidelity that are at the heart of music, whether reproducing a slappin' bass guitar or a 6-foot drum.

Advanced Velodyne amplifier circuits prevent overdriving and damage so that you can really *use* a CHT Series sub, without *abusing* it. Plus, a full range of high-end features and controls means that a CHT Series subwoofer integrates seamlessly with your system electronics, no matter what name or combination of initials it has — Dolby® Digital AC-3, DTS, THX or DSS.

# For years, Velodyne Has Set The Standards for power, accuracy and quality. Now We're Raising Them.

**T**hanks to *Total System Design*, the CHT Series Satellite and Center Channel speakers deliver outstanding sonic performance and great looks that are a perfect match for a CHT Series subwoofer. They employ an exclusive high-power, low-distortion woofer for tight, solid bass and velvet-smooth midrange sound. A wide-range, high-power dome tweeter produces the sparkling highs and pin-point imaging that define great sound.

A Velodyne circuit innovation gives them finely-balanced sound no matter where you put them — on a wall, a shelf, or a stand. And, their easy-to-install enclosures work with industry-standard mounting systems. Though they are compact, every aspect of these Velodyne speakers is optimized for high-output sound with exceptional clarity and smoothness that belie their small size and moderate cost.



## CHT Series Technologies

**CHT SUBS: Subwoofer Direct input** This input bypasses the CHT Subs' internal crossover to provide direct connection to a preamp-level subwoofer or LFE output. This exclusive feature assures the highest levels of performance and compatibility with all digital surround processors, now and in the future.

**CHT-15 SUB: Current Sensing Servo** The largest CHT sub has the largest amplifier, deepest bass, and the biggest subwoofer driver. Velodyne's exclusive Current Sensing Servo circuitry assures the cleanest possible sound at the lowest frequencies and extreme output levels, reducing distortion by more than 50% compared to competing products.

**CHT SATELLITE & CENTER: Self-Powered Protection Circuit** Each CHT Series Satellite and CHT Series Center speaker includes this advanced circuit to protect the speakers from damaging overdrive, while still providing the highest possible safe output levels. If activated, the circuit automatically resets when dangerous power levels are reduced.

**ALL CHT SERIES SPEAKERS: Video shielding** Video shielding prevents the CHT Series speakers from causing changes in picture quality on near-by TV monitors.

**CHT SATELLITE & CENTER: Good sound and High Power?** Velodyne achieves *both* in these compact speakers through innovative engineering and close-tolerance manufacturing. With woofers and tweeters that outperform much larger units, your CHT Series Satellite and Center Channel Speakers easily fill your room with clear, natural sound at convincingly real output levels.

**CHT SUBS: Integrated high-pass crossover AND Variable low-pass crossover** The fixed 85Hz high-pass crossover to the satellites assures the best possible sound from your smaller speakers by blocking signals below their optimum range. At the same time, the Variable low-pass crossover allows perfect acoustic matching of a CHT Sub to the satellites and “room-tuning” control.

**CHT SUBS: Anti-clipping and over-exursion protection** Continuously analyzing the drive signal, Velodyne's unique circuitry prevents poor sound and possible damage by keeping the subwoofer's output within safe operating limits.