



# EQ-Max

DIGITAL EQUALIZING; REMOTE CONTROLLED SUBWOOFERS

EQ-Max8, EQ-Max10, EQ-Max12 and EQ-Max15

Designed with Velodyne's 28 years of leadership in bass technology, EQ-Max subwoofers deliver great bass easily. No other subwoofers in this price range give you so much for so little! In 2003, Velodyne introduced the world's most highly-reviewed, self-contained, room bass analysis and correction system. Building on this technology, you can now get the advantages of this expertise to quickly and easily integrate an affordable, powerful, feature-rich subwoofer into your entertainment system. Simply push **EQ** on the remote and the exclusive, built-in processor maximizes the bass in your room from any source.



## Features

- Maximum output and impact
- Superior digital performance
- Extended excursion drivers
- Efficient green digital amplifiers
- Digital Distortion Limiting System
- Four one-touch listening presets
- One-touch Auto-EQ room bass correction
- Instantaneous front-panel feedback
- Front-firing driver with down-firing ported cabinet
- Flexible low-pass crossover
- Remote control

## Easy Room Bass Maximization

Your options for where to put your subwoofer are probably limited. However, getting incredible output, maximum impact and deep bass performance from the EQ-Max is easy. Simply put your subwoofer in your preferred location, place the included microphone in your favorite seating position, push the remote's **EQ** button and let the digitally controlled five-band equalizer automatically adjust your subwoofer for great sounding bass.

## Simple Remote Control

EQ-Max subwoofers offer high technology, made easy! The remote lets you control all the subwoofer's functions from the comfort of your favorite chair with visible feedback on the front panel:

- **EQ:** Adjusts your subwoofer to overcome room bass interactions and deliver optimum bass performance at your listening position.
- **Presets:** For the driving bass in rock music, the hard hitting excitement of games, the maximum output and impact of movies, or the precise bass reproduction demanded by jazz and classical material, EQ-Max subwoofers are instantly customized at the touch of a button.
- **Night Mode:** This polite feature limits the maximum output of the subwoofer for late night listening, or to be considerate of close neighbors.
- **Volume Control:** Volume control allows you to balance the output from the subwoofer to the main speakers in your system.
- **Light Control:** Illuminate or turn off the front panel readout on your EQ-Max sub.
- **Phase Adjustment:** Adjustable in 90 degree increments, this helps you get the best possible match between your system speaker and subwoofer.

## Efficient Green Digital Amplifiers

New efficient, digital Class D amplifiers reproduce the dramatic impact of special effects, pulsing drumbeats, and very low, sustained pedal notes in a classical organ piece with clean and dynamic bass peaks. EQ-Max subwoofers easily and accurately reproduce these difficult, ultra-low frequencies.

## High Output Extended Excursion Drivers

Four custom-designed Extended Excursion drivers were engineered with vented pole-pieces that increase power handling and assure long-term reliability. Dual layer large copper voice coils are specifically matched with massive 2.5 to 4.4 lb magnets to provide dynamic bass you can actually feel.

## Velodyne's Exclusive Distortion Limiting System

With digital precision, Velodyne's Distortion Limiting System achieves the maximum performance from both the amplifier and woofer motor structure without overdriving either. The result is deeper bass extension, bigger impact and less distortion.

## Flexible Crossover with Subwoofer Direct

An adjustable 40 Hz – 120 Hz low pass crossover allows the sub to ideally match any main speakers. The Subwoofer Direct feature allows the EQ-Max 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.

## Cabinet Design

EQ-Max subwoofers are easily placed in any location, or concealed in custom cabinetry. Designed to give maximum output, but blend beautifully into your room, the cabinets use a down-firing port to minimize the audible distortion known as port noise and maximizing bass impac

## SPECIFICATIONS

| MODEL                                         | EQ-Max8                                                  | EQ-Max10                                                  | EQ-Max12                                                  | EQ-Max15                                                 |
|-----------------------------------------------|----------------------------------------------------------|-----------------------------------------------------------|-----------------------------------------------------------|----------------------------------------------------------|
| Woofer                                        | 8" (20.3 cm)<br>forward firing<br>(6.3" piston diameter) | 10" (24.5 cm)<br>forward firing<br>(8.2" piston diameter) | 12" (30.5 cm)<br>forward firing<br>(9.7" piston diameter) | 15" (38 cm)<br>forward firing<br>(12.7" piston diameter) |
| Amplifier:<br>Class D                         | 360 watts Dynamic/<br>180 watts RMS Power                | 390 watts Dynamic/<br>195 watts RMS Power                 | 450 watts Dynamic/<br>225 watts RMS Power                 | 1500 watts Dynamic/<br>750 watts RMS Power               |
| Cabinet Design                                | Extended Excursion<br>Down-firing port                   | Extended Excursion<br>Down-firing port                    | Extended Excursion<br>Down-firing port                    | Extended Excursion<br>Down-firing port                   |
| Frequency Response                            | Overall<br>(+/-3 dB)                                     |                                                           |                                                           |                                                          |
|                                               | 17 - 240 Hz<br>32 - 120 Hz                               | 16 - 240 Hz<br>28 - 120 Hz                                | 14.6 - 240 Hz<br>25 - 120 Hz                              | 14 - 240 Hz<br>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 Weight                                 | 4.66 lbs                                                 | 5.36 lbs                                                  | 7.40 lbs                                                  | 10.14 lbs                                                |
| High-Pass Crossover                           | 80 Hz*, 6 dB/octave                                      | 80 Hz*, 6 dB/octave                                       | 80 Hz*, 6 dB/octave                                       | 80 Hz*, 6 dB/octave                                      |
| Low-Pass Crossover                            | 40 - 120 Hz adjustable<br>(12 dB octave, 24 dB ultimate) | 40 - 120 Hz adjustable<br>(12 dB octave, 24 dB ultimate)  | 40 - 120 Hz adjustable<br>(12 dB octave, 24 dB ultimate)  | 40 - 120 Hz adjustable<br>(12 dB octave, 24 dB ultimate) |
| Inputs                                        | Gold plated line-level<br>nickel plated speaker level    | Gold plated line-level<br>nickel plated speaker level     | Gold plated line-level<br>nickel plated speaker level     | Gold plated line-level<br>nickel plated speaker level    |
| Outputs                                       | Gold plated line-level<br>nickel plated speaker level    | Gold plated line-level<br>nickel plated speaker level     | Gold plated line-level<br>nickel plated speaker level     | Gold plated line-level<br>nickel plated speaker 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                                                      |
| 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)<br>(includes feet and grille) | 14.5" x 13.25" x 14.875"<br>(36.8 x 33.7 x 37.8 cm)      | 16.75" x 15.25" x 17"<br>(42.5 x 38.7 x 43.1 cm)          | 17.875" x 16.375" x 18"<br>(45.4 x 41.6 x 45.7 cm)        | 21.5" x 19" x 21"<br>(54.6 x 48.3 x 53.3 cm)             |
| Warranty (parts/labor)<br>(North America)     | Three years (electronics)<br>Five years (drivers)        | Three years (electronics)<br>Five years (drivers)         | Three years (electronics)<br>Five years (drivers)         | Three years (electronics)<br>Five years (drivers)        |
| Shipping Weight (approx.)                     | 44 lbs. (20 Kg)                                          | 55 lbs. (25 Kg)                                           | 61 lbs. (28 Kg)                                           | 75 lbs. (34 Kg)                                          |

\* Note: Varying speaker and amplifier input load impedances may cause the high-pass crossover frequency to slightly vary.



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