



# Masterclass.



## 2008-2019 "Editors' Choice"

The Absolute Sound

### "Subwoofers of the Gods"

- Chris Martens, *The Perfect Vision*



## FATHOM® f112v2

The challenges associated with designing high-output, compact subwoofer systems can be daunting. In most cases, designers sacrifice low-frequency extension or output capability in order to keep a design acceptably small.

The Fathom® subwoofers sacrifice nothing, thanks to the dynamic advantages of their proprietary JL Audio drivers. These exceptional woofers allow for a true subwoofer passband and very high output, while keeping distortion well below audible thresholds. To extract full benefit from the excursion envelope of its woofer design, each Fathom® employs an uncommonly powerful switching amplifier with a large toroidal transformer and a patented circuit, designed to enhance control and fidelity.

The compact design and conventional form factor of the Fathoms apply beautifully to most home theater applications, including built-in designs. Front-mounted controls make them comfortable to set up and adjust, while JL Audio's powerful DSP engine and exclusive Digital Automatic Room Optimization makes sure that response is smooth, even in challenging rooms.

While very compact, the f112v2 is powerful enough to anchor serious home theater setups and is equally at home in the most critical music listening applications. For that very reason, it is used in some of the best recording and mastering studios in the world.

## Fathom® f112v2 Features:

### Unbalanced Inputs:

Stereo or Mono (two RCA jacks)

### Balanced Inputs:

Stereo or Mono (two female XLR jacks)

### Output To Slave:

Balanced (one male XLR jack)

### Input Modes:

Master or Slave

### Level Modes:

Reference (fixed gain) or Variable from full mute to +15 dB over reference gain

### Power Modes:

Off, On or Automatic Signal-Sensing

### Light Modes:

Off, On or Dim

### Low Pass Filter Mode:

Off, 12 dB per octave or 24 dB per octave

### Low Pass Filter Crossover Frequency:

Variable from 30 Hz – 130 Hz

### Polarity:

0 or 180 degrees

### Phase:

Variable from 0 – 280 degrees, referenced to 80 Hz

### E.L.F. Trim:

Variable from -12 dB to +3 dB at 25 Hz

### Digital Automatic Room Optimization (D.A.R.O.):

18-Band, with included, laboratory-grade calibration microphone, defeatable

## Fathom® f112v2 Specifications:

### Enclosure Type:

Sealed

### Driver:

Single 12-inch (nominal diameter)

### Frequency Response: (anechoic)

21 – 119 Hz ( $\pm 1.5$ dB)

-3 dB at 19 Hz / 150 Hz

-10 dB at 17 Hz / 167 Hz

### Effective Piston Area:

84 sq. in. (0.0542 sq. m)

### Effective Displacement:

287 cu. in. (4.7 liters)

### Amplifier Power:

1.8 kW RMS short-term

### Dimensions\* (H x W x D):

18.50 in. x 15.0625 in. x 17.75 in.

470 mm x 384 mm x 451 mm

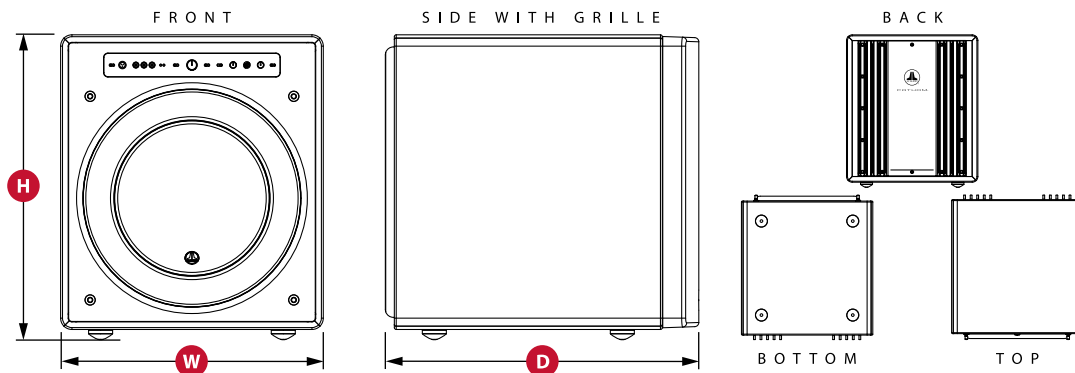
### Net Weight:

100 lbs. (45 kg)

### Cabinet Finish:

High-Gloss Black

### Built in USA with Global Components



\* All height dimensions include feet, depth dimensions include grilles.



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