

WD-S2040

Two-Way Screen Channel Cinema Loudspeaker System



HIGHLIGHTS ■

Premium JBL Sound & Design

Professional JBL performance with high SPL capabilities, maximum coverage and minimum distortion

Easy & Versatile Deployment

Easily accessible binding post connectors

Complete Cinema Solution

Combine with the Crown WD-A series amplifiers, JBL CPi2000 processor and other WD-S Series speakers for a fully integrated HARMAN / WANDA cinema audio solution

Today's cinemas require perfect coverage in every seat of the auditorium, wide dynamic range and extended bandwidth, as well as inaudible levels of distortion. Digital soundtracks, especially those tracks associated with the new digital cinema requirements, require sound systems for premier auditoriums that can accurately reproduce the sound exactly as recorded.

The WD-S2040 Screen Channel provides smooth and accurate reproduction of cinema soundtracks in a compact system. The convenient all-in-one enclosure requires no field assembly, simplifies set-up to construct a neat sound reproduction system.

A asymmetry horn provides smooth, even coverage throughout the auditorium, without tilting the speaker. The newly-designed passive crossover network is optimized to provide a seamless transition between driver components, for clear, articulate dialog, and high fidelity music reproduction. A protection circuit ensures that all components operate within their optimal power handling range, to ensure many years of high reliability performance.

KEY MESSAGES ■

PREMIUM SOUND WITHOUT THE PREMIUM PRICE

With the WD-S Series, it's never been easier to step into the stunning sound of a JBL cinema system. WD-S2040 screen speakers provide high SPL output and wide coverage, ensuring a thrilling sound experience in every seat. Add WD-S8015 and WD-S8026 surrounds for complete coverage; pair with JBL WD-S1065 and WD-S1160 subwoofers for superior bass extension.

ROCK-SOLID AND RELIABLE

Trust the WD-S Series to provide peak performance throughout the life of your investment: Systems are designed for superior overall efficiency; transducer-protection circuitry ensures long-term stability.

DEPLOY WITH EASE, ANY WAY YOU PLEASE

The WD-S Series is designed for streamlined system setup and operation in a range of configurations. WD-S2040 screen speakers offer passive modes for easy connection. Cabinet hardware is engineered for maximum versatility.

BUILD AN INTEGRATED SOUND SYSTEM

Complete your JBL cinema sound system with the JBL CPi2000 cinema processor, which provides audio enhancement including DSP, room EQ tuning, volume control and system fault detection. The CPi2000 features WD-S Series speaker presets for better sound and performance and easier deployment, and can send amplifier and speaker status to a central TMS (Theater Management System) control system.

IN THE BOX ■

WD-S2040 2WAY SCREEN SPEAKER

WD-S2040

Two-Way Screen Channel Cinema Loudspeaker System



APPLICATIONS ■

CINEMA THEATERS

Small- to medium-sized (80–100-seat) cinema theaters

FEATURES ■

- Two-way screen channel design for maximum output, optimal coverage, and minimum distortion.
- Fully passive operation
- New molded Optimized Aperture Waveguide technology for ultra low distortion, consistent coverage pattern and extremely uniform frequency response
- Low Frequency section features dual 15" transducers with aluminum ribbon wire voice coils for low distortion and high efficiency.
- Newly designed passive network with driver protection circuit
- All in one enclosure for simple installation
- Shallow profile and side connector design for minimum behind screen depth requirement
- Teonex diaphragm high frequency driver for warm and clean sound. Magnetic fluid for low distortion, high power output.

TECHNICAL SPECIFICATIONS ■

SYSTEM:

Frequency Range (-10 dB):	37 Hz-20 kHz
Frequency Response (± 3 dB):	53 Hz-18 kHz
System Sensitivity:	103 dB, 2.83V @ 1 m (3.3 ft)
Nominal Impedance:	4 ohms
Rated Maximum SPL:	124 dB, @ 1 m (3.3 ft) 130 dB peak
Passive System Input Power Rating: ¹	400 W
Bi-Amp System	LF: 500 W
Input Power Rating:	HF: 12.5 W
Nominal Coverage:	100° horizontal, -30°, +20° vertical
Crossover frequency:	2000 Hz

TRANSDUCER:

Low Frequency Transducer:	Two 380 mm (15 in) dia., 63 mm (2.5 in) ribbon voice coil transducers
High Frequency Transducer:	One 2414H-C compression driver

PHYSICAL:

Dimensions (H x W x D):	1100 mm x 640mm x 450mm (43 ^{1/3} in x 25 ^{1/5} in x 17 ^{3/4} in)
Net Weight:	46 kg (101 lbs)
Shipping Weight:	52 kg (115 lbs)

¹ Rating based on test signal of IEC filtered pink noise with a peak-to-average ratio of 6 dB, 100 hours duration.

ORDER SPECIFICATIONS ■

DIMENSIONS (L X W X H):	593 mm x 776 mm x 1238 mm (23 ^{1/3} in x 30 ^{1/2} inch x 48 ^{3/4} in)
WEIGHT:	52 kg (115 lbs)
COUNTRY OF ORIGIN:	CN
UPC CODE:	691991001574



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