

PROFESSIONAL SOUND SYSTEM



Speaker System

Model 380SD, 300SD



380SD

300SD

GENERAL DESCRIPTION

The 380SD and 300SD are compact, roadworthy 3-way speaker systems with Thiele-Small aligned bass reflex enclosures which house one 15" (380SD) loudspeaker, one 12" (300SD) loudspeaker and a constant directivity horn coupled with high efficient compression driver and a high performance tweeter. They are designed to be used as full range systems or with the use of the additional in/out 1/4" phone jacks can be bi-amplified. They offer extended frequency response, exceptionally high power capacity (120W continuous pink noise) and high efficiency. They are ideal for any sound reinforcement application that requires a blend of outstanding performance and maximum portability. TOA's unique front-slotted design functions as an acoustic low pass filter, obtaining a smooth crossover between low and high frequency and ensuring flat response. They are equipped with the side-mounted handles for ease in carrying and set up. The enclosures have grills to protect loudspeaker and interlocking corners for vertical stacking of similar models and an integral stand mounting adapter.

FEATURES

1. Extended frequency response
2. High power capacity of 120 watts continuous pink noise (Test duration: 24 hours)
3. Constant directivity horn gives coverage of 90 degrees horizontal by 40 degrees vertical
4. Slotted design that functions as an acoustic low pass filter
5. Easily stackable on similar speakers and mountable on a speaker stand
6. Side-mounted handles for ease in carrying
7. Input jacks for bi-amplification

Specifications

MODEL NUMBER	380SD	300SD
Enclosure	Vented (bass reflex) type	
Speaker	15" (38cm) woofer constant directivity horn and compression driver 3" tweeter	12" (30cm) woofer constant directivity horn and compression driver 3" tweeter
Handling Power Capacity Continuous Pink Noise Continuous Program	120 watts of band-limited pink noise [50Hz - 20kHz] 360 watts	
Impedance	8 ohms	
Sensitivity	100dB(1W/1m)	98 dB (1W/1m)
Frequency Response	50Hz - 20kHz	60Hz - 20kHz
Crossover Frequencies	1kHz, 10kHz	
Middle Frequency Level Control	0—10dB (with an "OFF" position)	
Finish (Enclosure)	Grey leatherette	
Dimensions	680 (H) x 492 (W) x 392 (D) mm 26.8 (H) x 19.4 (W) x 15.4 (D) inches	588 (H) x 460 (W) x 312 (D) mm 23.1 (H) x 18.1 (W) x 12.3 (D) inches
Weight	27kg (59.5 lbs)	21kg (46.3 lbs)

* Specifications are subject to change without notice.

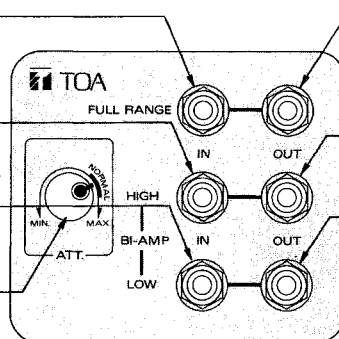
Input Panel

FULL RANGE INPUT
Connects to the output of power amplifier. This is the input jack when used as a full range speaker.

BI-AMP INPUT (HIGH)
Connects to the amplifier for high frequency when driving the speaker system with bi-amplification.

BI-AMP INPUT (LOW)
Connects to the amplifier for low frequency when driving the speaker system with bi-amplification.

MID-FREQUENCY ATTENUATOR
Adjusts the sound level of the mid-frequency. Make the level setting according to the environmental conditions, although almost flat frequency response is obtainable so far as the attenuator remains within the "NORMAL" range.



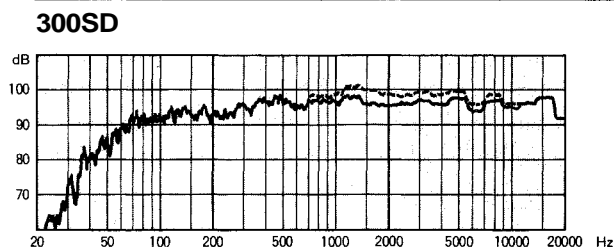
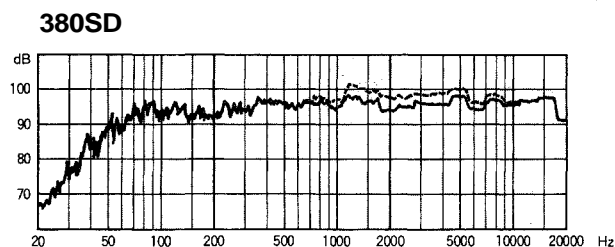
FULL RANGE OUTPUT
Make bridge connection of this output to the full range input of another speaker system when driving two speaker systems with one power amplifier.

BI-AMP OUTPUT (HIGH)
For bridge connection in high frequency to another speaker.

BI-AMP OUTPUT (LOW)
For bridge connection in low frequency to another speaker.

CAUTION:
DO NOT USE THE BI-AMP JACKS UNLESS THE SPEAKER SYSTEM IS DRIVEN UNDER MULTI-AMPLIFIED SYSTEM. CONNECTING THE FULL RANGE OUTPUT TO THE BI-AMP INPUT JACK MAY DAMAGE THE SPEAKER.

Frequency Response (1W/1m: Swept 1/3 Octave Pink Noise)

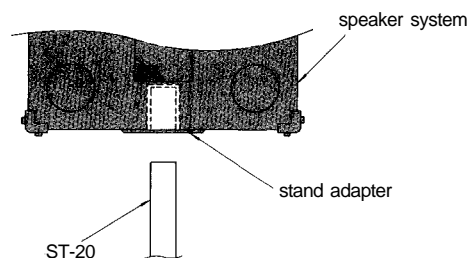


—: Attenuator at NORMAL position

---: Attenuator at MAX. position

Mounting on the speaker stand

The 380SD and 300SD speaker systems can be easily mounted on their exclusive speaker stand Model ST-20 (optional). (See illustration)



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