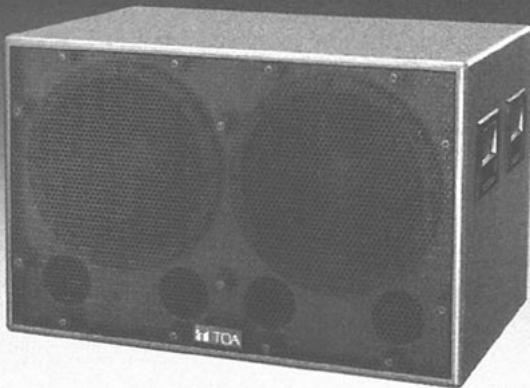


# PROFESSIONAL SOUND SYSTEM



## Super Woofer System

**SW-38W-UL**  
**Model SW-38S-UL**



SW-38W-UL



SW-38S-UL

## GENERAL DESCRIPTION

The TOA SW series Super Woofers are super-low frequency loudspeaker systems designed for professional applications in high-level sound reinforcement environments where high efficiency, super-low frequency range, and faithful reproduction are required, such as discos, concert halls, theaters, movie houses, auditoriums, and in live sound reinforcement applications.

The SW-38S bass-reflex enclosure contains one (1) ultra-linear, high-power 15" woofer, while the SW-38W contains two 15" woofers.

The woofer, Model HLS38UL-8, employs a 2.8" (72mm) diameter voice coil of edge-wound copper ribbon on an aluminum coil form, which is driven by powerful double ferrite magnets. The magnets are supported by a rugged diecast aluminum frame and give a flux density of 14,200 gauss. Bass-reflex ports are tuned to the optimum condition by computer, allowing the woofer to provide maximum performance.

The system is rated at 300 watts RMS (150 watts RMS for 38S) of continuous pink noise, and at 900 watts (450 watts for 38S) of continuous program material.

Two pairs of screwtype input terminal (one-pair of terminals in the case of the 38S) is provided on rear of enclosure. Removal of the jumper pieces permit the 38W to drive the two woofers independently by their respective amplifiers. By removing blank panels on the rear-mounted input panel, two female XLR connectors (38W) or one each of

male and female XLR connector (38S) can be mounted. The enclosure is highly reinforced to eliminate unwanted vibrations. Large carrying handles are provided on both sides of an enclosure, and a detachable punched metal grille in front. The enclosure is finished in grey painting.

## FEATURES

1. Ultra linear, high power 15" woofer provides high efficiency in the super-low frequency range.
2. High power handling capacity of 300 watts (150 watts for 38S) RMS continuous pink noise and 900 watts (450 watts for 38S) continuous program material.
3. Bass-reflex enclosure tuned to the optimum conditions by computer assures the maximum woofer performance.
4. Screwtype input terminal (2 pairs for 38W and 1 pair for 38S) are provided. By removing jumper pieces two woofers can be driven independently by means of respective amplifiers (38W).
5. Two mountable female XLR connectors (38W) or one each of male and female XLR connector (38S).
6. Rugged, grey-painted enclosure with carrying handles and a detachable punched grille.

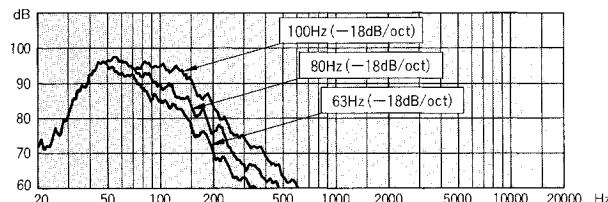
# ● Specifications

MODEL NUMBER	SW-38W-UL	SW-38S-UL
Enclosure	Vented (bass reflex) type	
Speaker	Two 15" woofers	One 15" woofer
Power Capacity Continuous Pink Noise	300 watts RMS of band limited pink noise (40~1kHz)	150 watts RMS of band limited pink noise (40~1kHz)
Continuous Program	900 watts	450 watts
Impedance	4 ohms (parallel) or Two 8 ohms (independent)	8 ohms
Sensitivity	96dB (1W/1m)	93dB (1W/1m)
Frequency Response	35~1 kHz	
Recommended Crossover Frequency	60~100Hz	
Input Terminals	Screwtype	
Finish (Enclosure)	Painted grey	
Dimension	600(H)x950(W)x600(D) mm 23.6(H)x37.4(W)x23.6(D) inches	600(H)x490(W)x600(D) mm 23.6(H)x19.3(W)x23.6(D) inches
Weight	74kg (163 lbs)	40kg (88 lbs)
Standard Accessories	Instruction Manual 1	Warranty Card 1

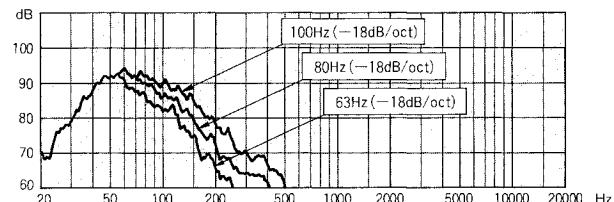
\* Specifications are subject to change without notice.

# ● Characteristic Diagrams (1W/1m: 1/3 Octave Pink Noise)

## ● SW-38W-UL

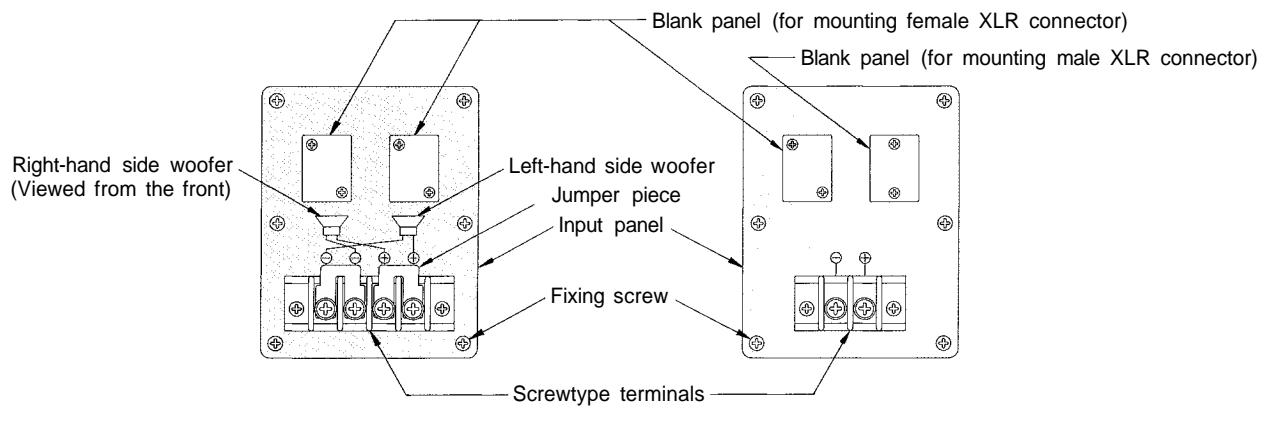


## ● SW-38S-UL



(Using an external frequency dividing network)

# ● Input Panel



[Fig 1]

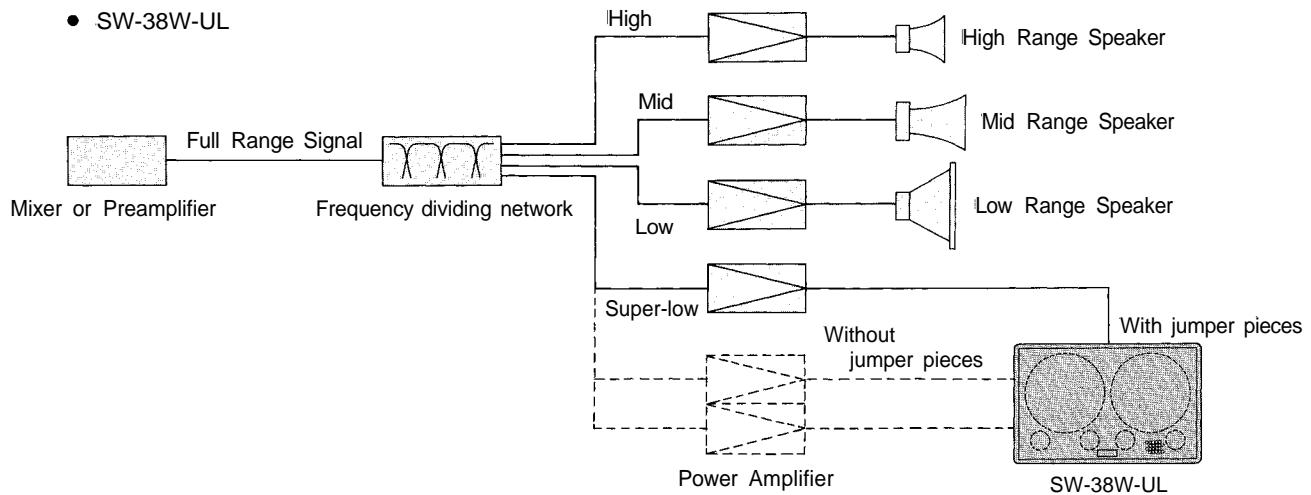
The two woofers of the SW-38W-UL are connected in parallel when jumper pieces are used (impedance is 4 ohms). Removal of the jumper pieces disconnect the two woofers from each other, allowing each of them to be driven independently by means of their respective ampli-

fiers (impedance of each is 8 ohms). By removing the blank panels two female XLR connectors (38W) or one each of male and female XLR connector (38S) can be mounted. To do wiring work, remove the rear-mounted input panel.

# ● Connection Diagrams

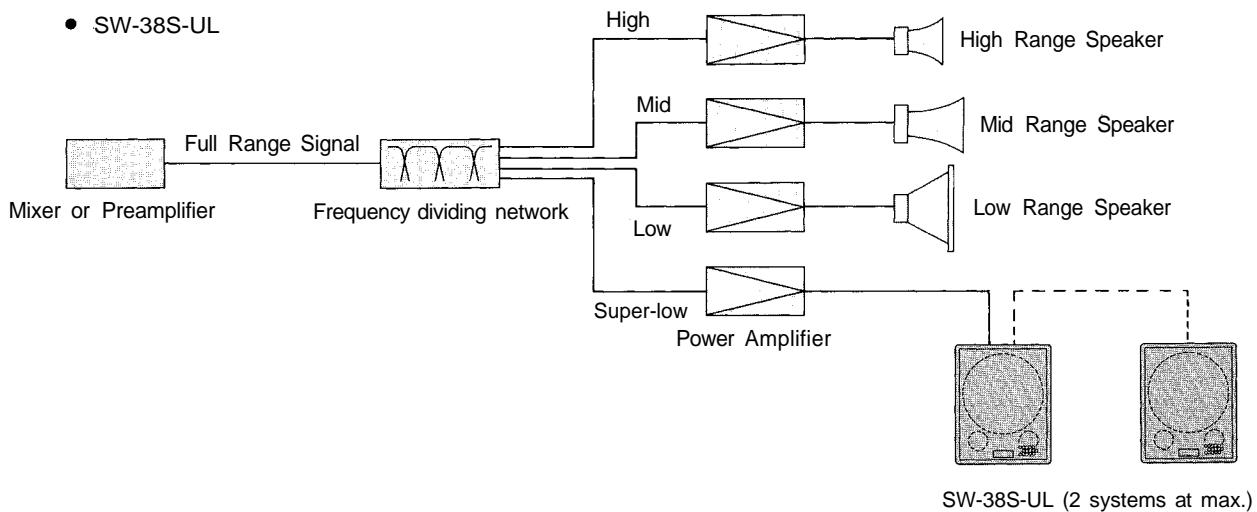
## 1. Four-way system using frequency dividing network and 4 or 5 power amplifiers.

- SW-38W-UL



[Fig 2]

- SW-38S-UL

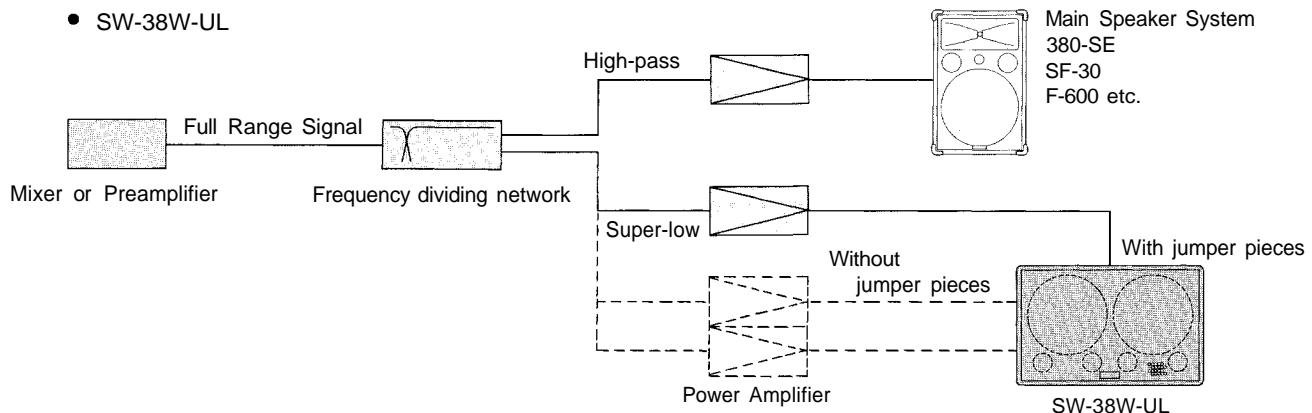


[Fig 3]

## ● Connection Diagrams

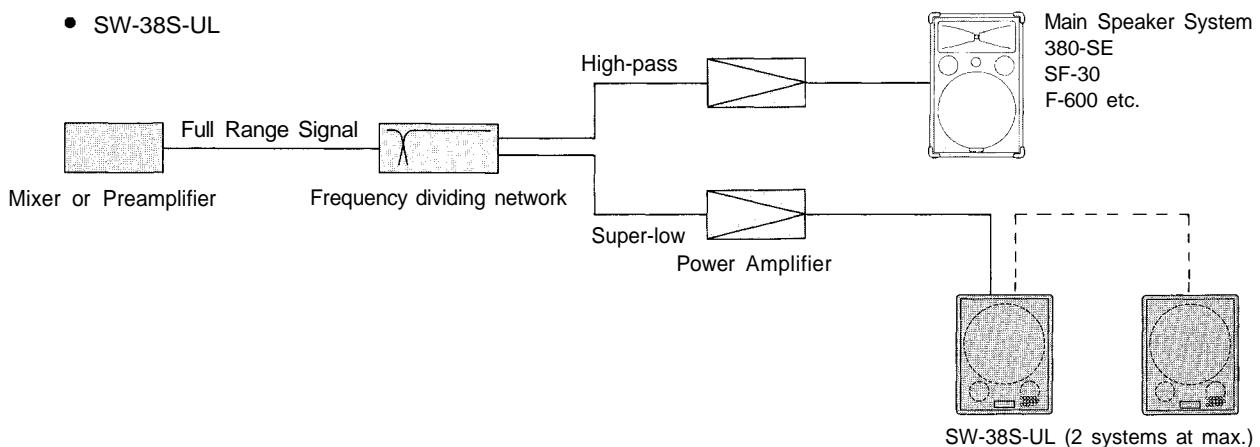
### 2. System using frequency dividing network and 2 or 3 power amplifiers.

- SW-38W-UL



[Fig 4]

- SW-38S-UL



[Fig 5]