

DIVIDING NETWORK

Model HNW-500
HNW-800

● FEATURES

1. The TOA HNW-500 and HNW-800 are designed for exclusive use with the standard speaker systems for permanent installation.
The HNW-500 is intended for use with the standard speaker system (GS-3806W or GS-386W), and the HNW-800 for use with the standard speaker system (GS-382S, GS-302W and GS-302S) respectively.
2. System selection circuit is provided to obtain the optimum crossover characteristics in the standard speaker systems.
3. High frequency level control allows ± 2 dB from normal level in the high frequency.
4. Horn equalizer is provided to correct roll-off in the high frequency of the compression driver with the constant directivity horn.
5. Slope rate is - 12 dB per octave in the low frequency and - 18 dB per octave in the high frequency of the HNW-500, and - 12 dB per octave in the high frequency of the HNW-800.
6. Easy to mount the enclosure.

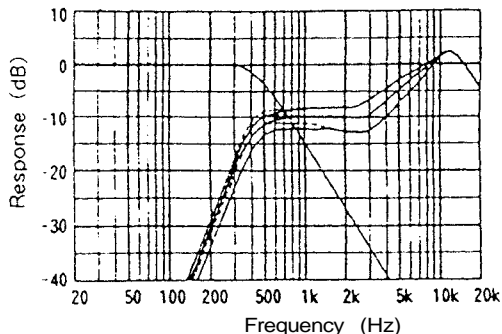
● SPECIFICATIONS

	HNW-500	HNW-800
Power Handling Continuous Pink Noise	300 W (4 Ω)	150 W (8 Ω)
Load Impedance	Low Frequency : 4 Ω High Frequency : 8 Ω	Low Frequency : 8 Ω High Frequency : 8 Ω
Crossover Frequency	500 Hz	800 Hz
Slope Rate	Low Frequency : - 12 dB/oct High Frequency : - 18 dB/oct	Low Frequency : - 12 dB/oct High Frequency : - 12 dB/oct
High Frequency Level Control	Three Steps (+2 dB, Normal, - 2 dB)	
Applicable Speaker System	GS-3806W and GS-386W	GS-382S, GS-302W and GS-302S
Weight	1.7 kg (3.75 lb.)	1.6kg (3.53 lb.)
Finish	Black paint	
Accessories	High frequency connecting cord x 1, Instruction manual x 1	

* Specifications are subject to change without notice.

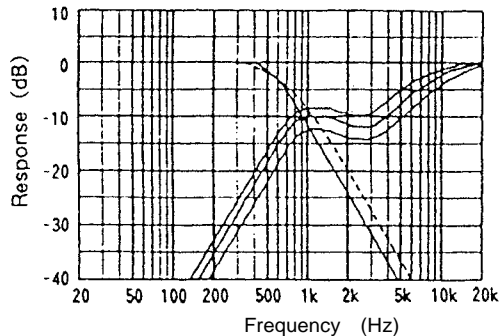
● FREQUENT RESPONSE

● HNW-500



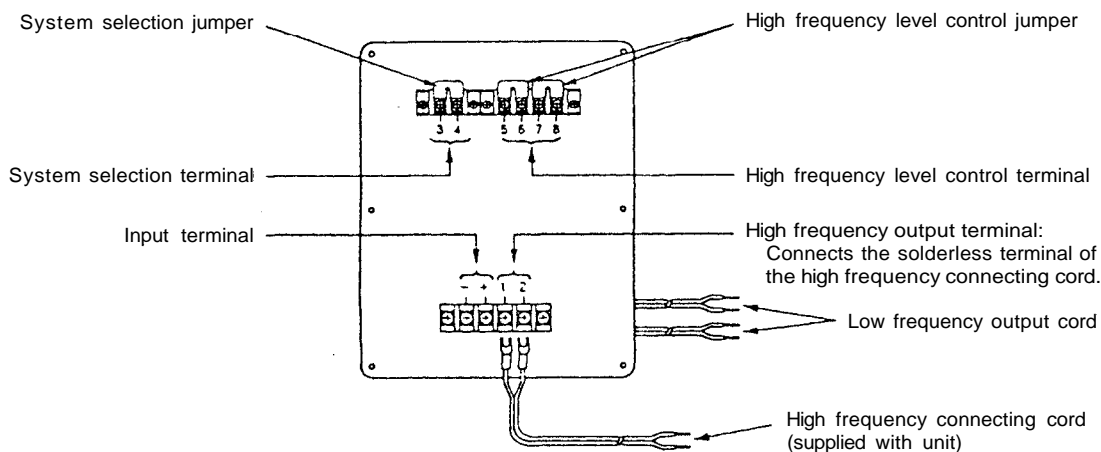
— System selection : Install between terminal Nos.3 and 4
 System selection : Jumper not installed

● HNW-800



— System selection : Install between terminal Nos.3 and 4
 System selection : Jumper not installed

● PART DESCRIPTION



Note : High frequency level control jumpers are factory-preset to +2 dB.

● MOUNTING UNIT TO THE ENCLOSURE

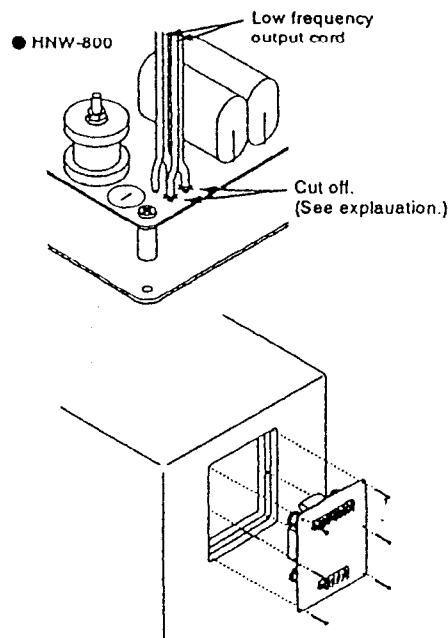
Mount the dividing network before mounting the woofers.

When using the HNW-800 in the standard speaker system (GS-382S or GS-302S), cut off one paired low frequency output cord close at the base.

Mounting procedure:

- 1) Loosen six screws and remove the rear terminal board of the enclosure.
- 2) Insert unit into the port, and fix it with the removed screws.
 Take care not to hold the connecting cord between the dividing network and the enclosure.

Note: Take care so unit may not contact sound-absorbing materials in the enclosure.



● CONNECTION

When connecting the dividing network to the woofers, use the low frequency output cord of the dividing network.

When connecting the dividing network to the compression driver, use the supplied high frequency connecting cord.

Connect each polarity as shown below :

1) Low frequency : Red of the output cord to ⊕ Black of the output cord to ⊖ .

2) High frequency :

● HNW-500

Standard Speaker System Model No.	Output Terminal No.	
	1	2
GS-3806W	⊖	⊕
GS-386W	⊕	⊖



● HNW-800

Standard Speaker System Model No.	Output Terminal No.	
	1	2
GS-382S	⊕	⊖
GS-302W GS-302S	⊖	⊕



● SYSTEM SELECTION

Connect the system selection jumper according to the standard speaker system to be used as shown below : The optimum crossover characteristics in each speaker system is obtainable.

● HNW-500

Standard Speaker System Model No.	Jumper Connection
GS-3806W	 Install between terminal Nos.3 and 4.
GS-386W	 Jumper not installed.

● HNW-800




Standard Speaker System Model No.	Jumper Connection
GS-382S	 Install between terminal Nos.3 and 4.
GS-302W GS-302S	 Jumper not installed.

● HIGH FREQUENCY LEVEL CONTROL

High frequency level can vary in conjunction with the jumpers for the high frequency level control as shown below : Flat frequency response is obtainable when the high frequency level control is set to Normal.

Note : The Jumpers are factory-preset to +2 dB.

Select the appropriate level according to conditions at installation locations.

	High Frequency Level		
	+2 dB	Normal	- 2 dB
Jumper Connection	 Install between terminal Nos. 5 & 6 and Nos. 7 & 8.	 Install between terminal Nos. 5 and 6.	 Install between terminal Nos. 7 and 8.

* Consider standard values because dB value is changed according to the frequencies.

* When piling up the unused jumpers at the same terminal where installed the jumper to be used, they can be utilized for future change of the speaker system or level change.

● DIMENSIONS (mm)

