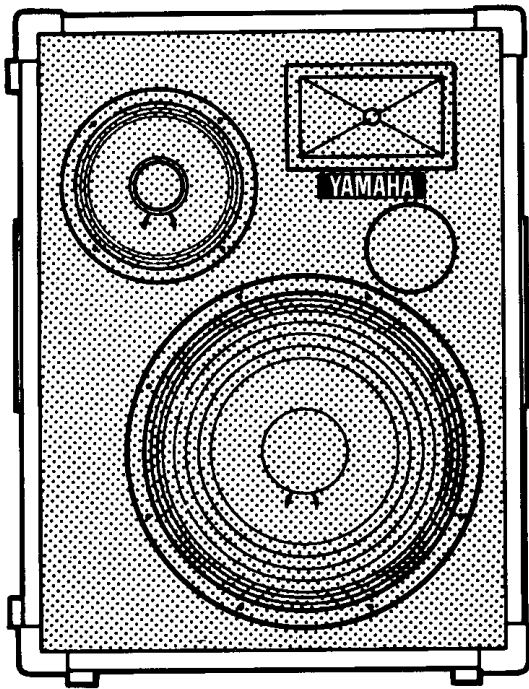


YAMAHA

SPEAKER SYSTEM
HAUT-PARLEURS
LAUTSPRECHER

S300

Operating Manual
Manuel d'utilisation
Bedienungsanleitung



CONGRATULATIONS!

Welcome to the growing family of happy Yamaha owners. Since you will be enjoying the sound of the S300 for years to come, we would like to ask you to take just a few minutes now to read through this manual and familiarize yourself with the set-up procedure for the S300. Put this manual in a convenient place so that you can refer to it when needed. And remember, if you have any questions, your Yamaha Dealer will be happy to answer them.

CONTENTS

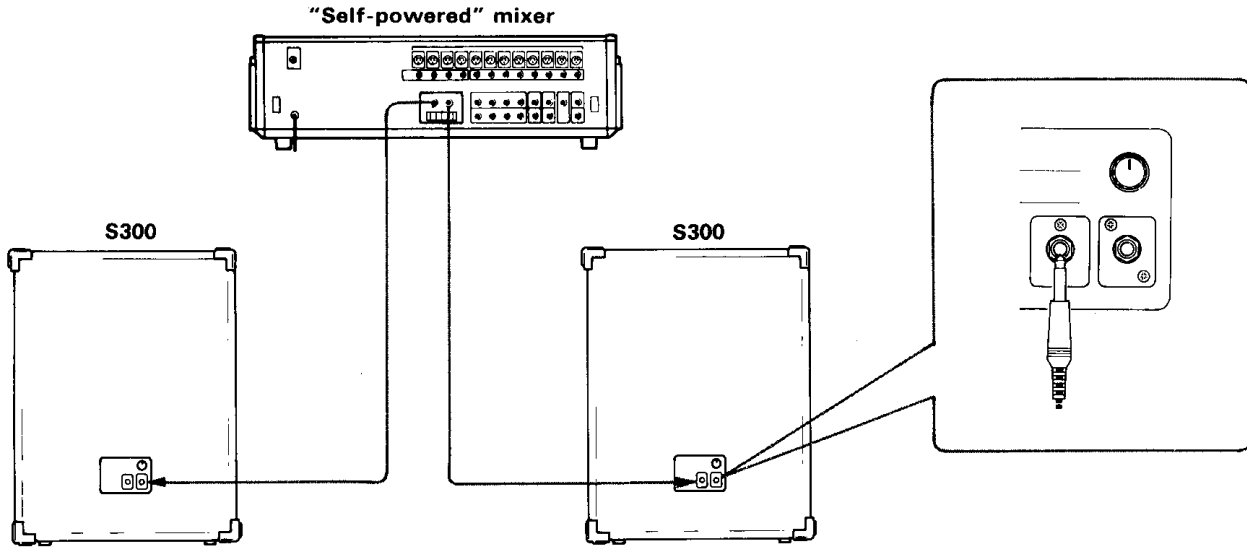
PRECAUTIONS	1
CONNECTIONS	2
SPECIFICATIONS.....	3
SCHEMATIC DIAGRAM.....	4
DIMENSIONS	4
PERFORMANCE GRAPH	4
SERVICE	5

PRECAUTIONS

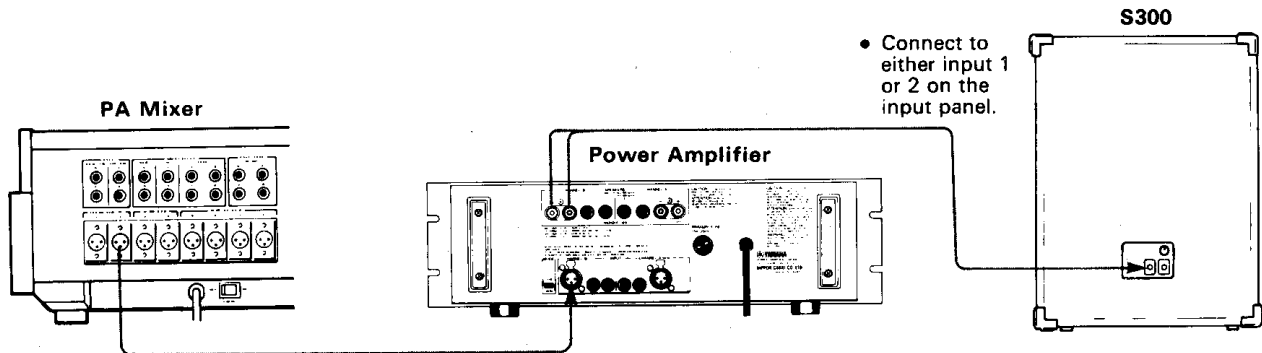
- ALWAYS turn amplifier power OFF before attempting to connect the speaker.
- ALWAYS connect the + add - wires to the proper terminals on the amplifier.
- ALWAYS make sure the S300 is rested solidly to prevent it from tipping over during operation.
- NEVER drive the S300 with more than its maximum rated capacity. This could result in distortion and could possible damage the speakers.
- NEVER operate the S300 outside its nominal impedance of 8 ohms. ALWAYS check "CONNECTION IN PARALLEL" when setting up speakers to operate in parallel.

CONNECTIONS

CONNECTING TO A MIXER WITH A BUILT-IN POWER AMPLIFIER

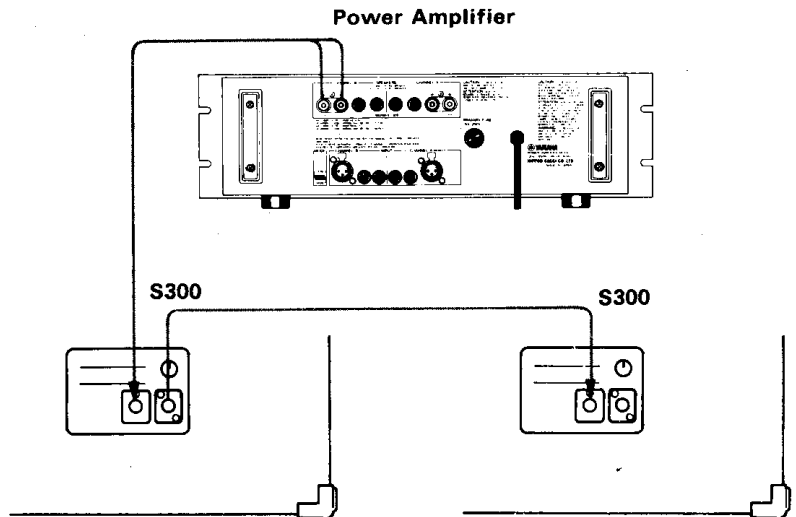


CONNECTING TO A STANDARD POWER AMPLIFIER



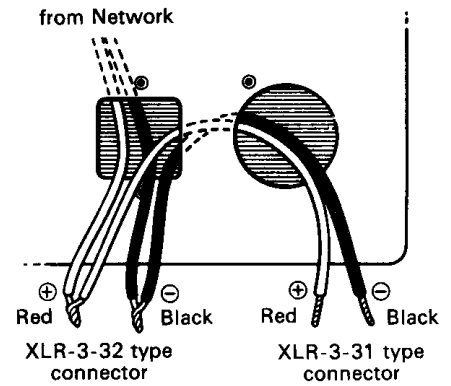
CONNECTION IN PARALLEL

The two input jacks are connected in parallel inside the unit so that connections can easily be made as shown in the diagram. Power amplifiers are normally designed for stable operation with 4 or 8 ohm impedance loads. NEVER CONNECT MORE THAN TWO SPEAKER UNITS IN PARALLEL unless the power amplifier is designed to operate with a load impedance lower than 4 ohms.



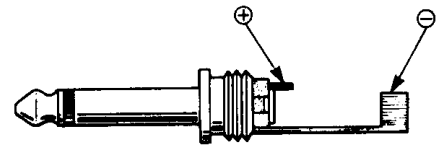
INSTALLATION OF XLR TYPE CONNECTORS

The phone jacks on the S300 can be replaced by XLR connectors if desired. Simply remove the phone jacks by unscrewing the two screws which hold them in place.



PHONE PLUG WIRING

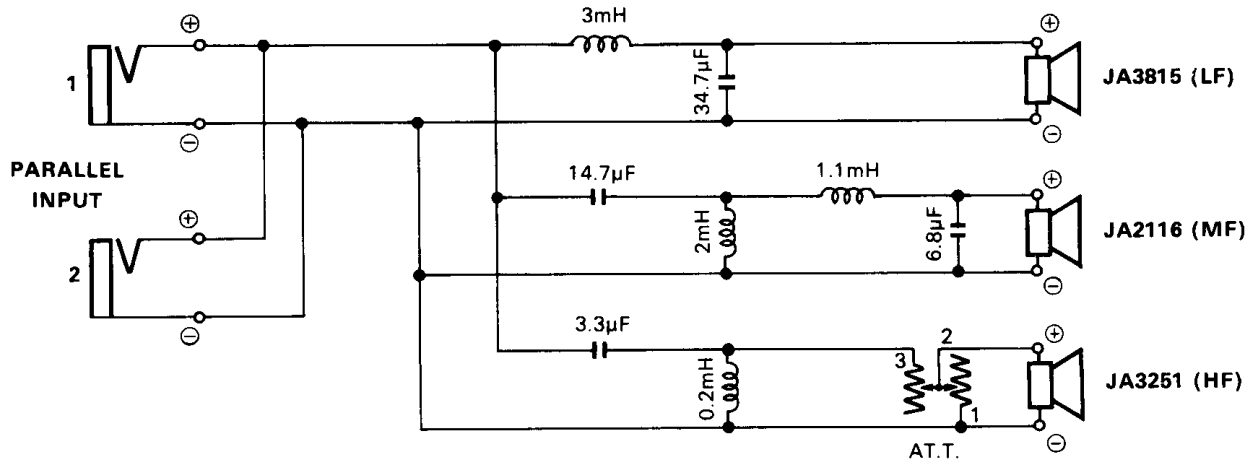
The standard input terminals for this unit are 1/4" phone jacks. Connect the speaker leads as shown in this diagram.



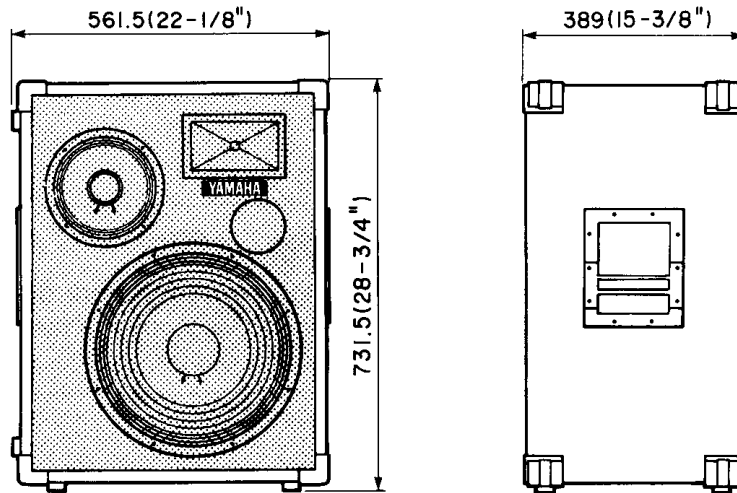
SPECIFICATIONS

Frequency Range:	50 Hz to 20 kHz
Power Capacity:	100W (NOISE) 200W (PROGRAM) 400W (MAX)
Nominal Impedance:	8 ohms
Sensitivity:	97dB SPL (1W, 1m, on-axis)
Crossover Frequencies:	800 Hz, 4 kHz
Components:	LF: JA3815, 15" cone type MF: JA2116, 8" cone type HF: JA3251, HF driver & horn
Connectors:	Parallel 1/4" phone jack (XLR connector can be substituted)
Enclosure:	Bass reflex type
Dimensions (W x H x D):	561.5 x 731.5 x 389 mm (Including corner protectors) 22-1/8" x 28-3/4" x 15-3/8"
Weight:	33.2 kg 15.1 lbs

SCHEMATIC DIAGRAM



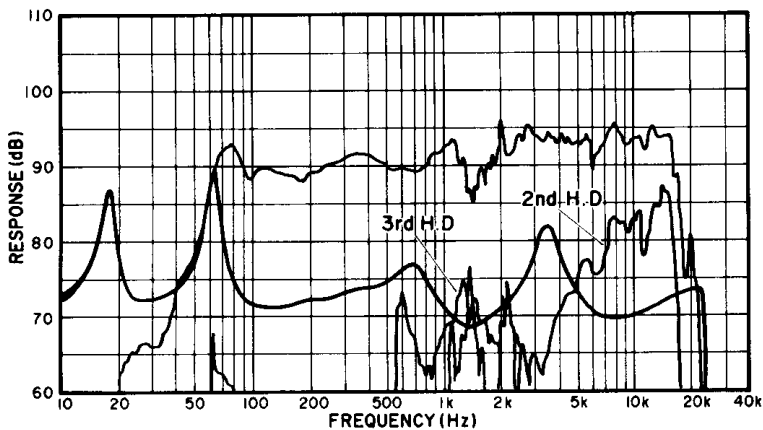
DIMENSIONS



PERFORMANCE GRAPH

■ Frequency Response/Harmonic Distortion/Impedance

(1W, 2m on axis, in anechoic chamber)



Note:
20 dB has been added to the 2nd and 3rd H.D. curves indicated on the graph.

SERVICE

The S300 is supported by Yamaha's worldwide network of factory-trained and qualified dealer service personnel. In the rare event of a problem, contact your nearest Yamaha dealer.

YAMAHA