

**SPEAKER
SYSTEM**

S3115H

OWNER'S MANUAL

Congratulations!

Welcome to the large and happy family of satisfied users of Yamaha products. We are sure you will be delighted with your new Yamaha Speaker System S3115H.

Please read this manual carefully before connecting your speaker system. The few minutes spent going over this manual will help you to understand and appreciate the operation and high performance. You will also learn how to make the best use of the fine features built into this sound system equipment.

SPECIFICATIONS

Speakers	Woofer JA3803 (38 cm, 8 ohms) x 1 HF Driver & Horn JA4204A (8 ohms) x 1
Enclosure	Bass reflex type
System impedance	8 ohms
Power Handling	Continuous program, 100W
Frequency range	65Hz ~ 14kHz
Crossover frequency	2kHz
*Sensitivity	98dB
Dimensions	472(W) x 658(H) x 372(D) mm
Weight	29.6 kg
Finish	Black leatherette

* The SPL achieved at 1m with a 1 watt input.

PRECAUTIONS FOR USE

Take note of the following for using the YAMAHA speaker system properly.

1. When connecting the speaker system, be sure to keep the amplifier's power switch off.
2. The S3115H is capable of handling inputs of up to 100W (with continuous program). If the speaker is driven by more power, output sounds would distort or the speaker voice coil would even break down.
3. Be sure to connect the speaker leads to the power amplifier in the proper polarity. Otherwise performance of the speaker system might suffer.
4. The S3115H's system impedance is 8 ohms. Output characteristics of the amplifier vary with the impedance of the speaker system connected. When two or more speakers are connected to your amplifier in parallel, check to be sure that they are within the accepted impedance rating noted on the panel of the amplifier.

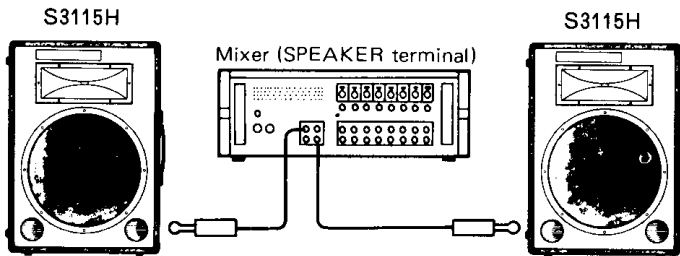
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CONNECTION

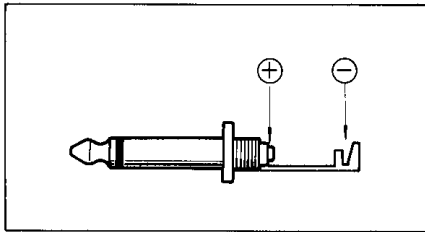
● Connection to a PA mixer (with built-in power amplifier)

To connect the speaker system with a mixer with built-in power amplifier, such as YAMAHA PA mixers EM-85, EM-100II, and EM-150II etc. connect the mixer's SPEAKER OUT terminal (rated load: 8~16 ohms) with the S3115H's INPUT terminal.

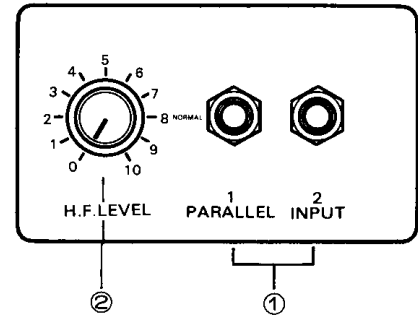
*When the S3115H is connected to MONITOR OUT, an additional amplifier is needed.



*Connect the power amplifier's speaker output terminal and the speaker system's plug in the proper polarity. The polarity of the speaker-side plug is shown below.



PANEL OPERATION



① PARALLEL INPUT

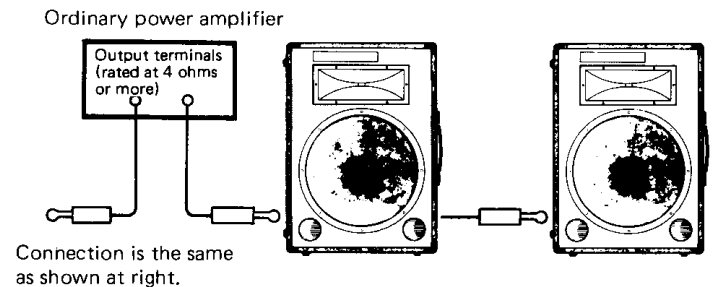
Phone jack type input terminals. Connect output of a power amplifier here. Use one for connecting an additional speaker system.

② HF LEVEL

This adjusts the sound level of the HF Driver & Horn.

● Additional speaker system

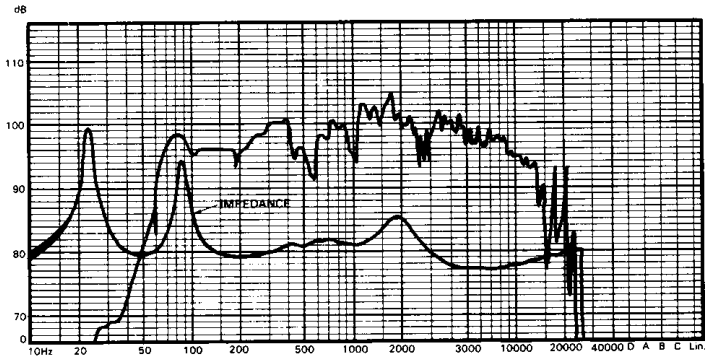
The S3115H's system impedance is 8 ohms. Ordinary power amplifiers are designed for a rated load impedance of 4 ohms or more. As more speaker systems are connected in parallel, the total impedance becomes smaller. Therefore, do not connect more than two speaker systems in parallel except with a power amplifier which operates stably with a load impedance of below 4 ohms.



Connection is the same as shown at right.

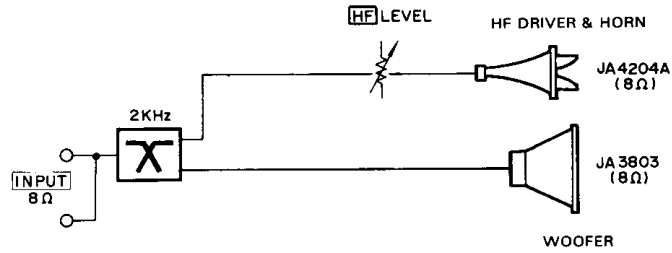
FREQUENCY RESPONSE

- Frequency response (polar pattern) & impedance characteristic



Measured at 1m INPUT : 1W (2.83V)

BLOCK DIAGRAM



MEMO

SINCE 1887



YAMAHA

NIPPON GAKKI CO., LTD. HAMAMATSU, JAPAN