

## Specifications

<b>Model</b>	<b>SW215 Sub-Woofer</b>
<b>Components</b>	Dual JAY 60070 15" Cone Loudspeakers
<b>Frequency Response</b>	40 Hz - 2 kHz
<b>Recommended Crossover</b>	90 Hz @ 12 dB per octave
<b>Nominal Impedance</b>	4 ohms
<b>Power Capacity</b>	200 watts - Noise
	400 watts - Program
	800 watts - Max. Peak
<b>Sensitivity (2.83 V, 1 meter)</b>	97.5 dB SPL
<b>Maximum SPL</b>	>120 dB
<b>Enclosure</b>	Bass-reflex cabinet, vinyl covered Recessed hand grips and interlocking corner hardware Protective black metal mesh grille
<b>Input Connector</b>	¼" Parallel input jacks
<b>Dimensions (w-h-d)</b>	20" x 34" x 17" (508 x 867 x 432 mm)
<b>Shipping Weight</b>	113 lb

<b>Model</b>	<b>PN90 Stereo Passive Crossover Network</b>
<b>Crossover Frequency</b>	90 Hz @ 12 dB per octave (into 15 kΩ loads)
<b>Recommended Load Impedance</b>	15 kΩ for High and Low frequency
<b>Insertion Loss</b>	3 dB
<b>Input Connectors -</b>	¼" jacks (Full Range)
<b>Output Connectors</b>	¼" jacks (High and Low frequency)
<b>Dimensions (w-h-d)</b>	9" x 1.5" x 3" (227 x 38 x 76 mm)
<b>Shipping Weight</b>	2 lb

## Technical Note:

If the PN90 is used with power amplifiers with other than 15 kΩ impedance, or (for example) two 15 kΩ amplifiers per PN90 output, the shapes of the high-pass and low-pass filters will be changed. For example, two 15 kΩ amplifiers in parallel have an effective impedance of 7.5 kΩ

<b>Impedance of Low Frequency amp</b>	<b>Impedance of High Frequency amp</b>	<b>Level change at crossover point</b>	<b>Frequency shift of crossover point</b>
15 kΩ	15 kΩ	none	none
less than 15 kΩ	less than 15 kΩ	cut	none
greater than 15 kΩ	greater than 15 kΩ	boost	none
less than 15 kΩ	15 kΩ	cut	down
15 kΩ	less than 15 kΩ	cut	up
less than 15 kΩ	greater than 15 kΩ	cut below, boost above	down
greater than 15 kΩ	less than 15 kΩ	boost below, cut above	up