

RS -1

RS -1.2

RS -2.2



RS-1, The reason the RS-1 has been the most popular installation loudspeaker manufactured by PAS is clear: high definition in a compact package, extended bandwidth and ease of installation.

Concentric speaker design, precision crossover filters and dual 15 inch long excursion woofers create a one box extended loudspeaker that is unsurpassed in vocal reinforcement and music playback. The RS-1 features:

- Concentric 15" loudspeaker.
- Extended high frequency 1" compression driver.
- Supplementary 15" woofer for extended low frequencies.
- Passive dividing network with Time Offset Correction (TOC™) and equalization.
- Baltic birch cabinet construction.
- Foam backed steel grille.
- Recessed handles.
- Fly hardware (anchor plate or optional truss array w/steel reinforcement).
- Compact enclosure for ease in installation.

RS-1 Specifications:

Frequency Response: 40 to 16kHz

*Power Rating: *600 watts*

Nominal Impedance: 4 ohm

Sensitivity (1w/1m): 99 dB

*Maximum SPL: 127 dB @1meter
(@ rated power)*

Nominal Coverage Angles:

60°H x 40° V, above 2 kHz

Crossover Frequency: 1.2 kHz

*L.F. Drivers: CXL-1580C &
HL-1580C*

H.F. Driver: DE 45/8

Input Connectors: 2 x NL4

Dimensions:

35.35" H x 17.25"W x 24"D

Weight: 116 lbs

RS-1.2, Since it's introduction in early 1996, the RS-1.2 has become the most popular system in the TOC™ line. The RS-1.2 uses a 2 inch compression driver. The higher sensitivity and greater power handling of this driver results in 9 dB more high frequency headroom than systems with 1 inch drivers. The results are increased clarity, intelligibility and greater throw.

A precision passive dividing network and single amplifier connection allows for ease of installation.

The RS-1.2 features are similar to the RS-1 with these differences:

- Concentric 4" voice coil 15" loud speaker.
- Extended high frequency 2" compression driver.
- Supplementary 4" voice coil 15" woofer for extended low frequencies.

RS-1.2 Specifications:

Frequency Response: 40 to 16kHz

*Power Rating: *800 watts*

Nominal Impedance: 4 ohm

Sensitivity (1w/1m): 100 dB

*Maximum SPL: 128 dB @1meter
(@ rated power)*

Nominal Coverage Angles:

60° H x 40° V, above 2 kHz

Crossover Frequency: 1.2 kHz

*L.F. Drivers: CXL-2580C &
HL-2580C*

H.F. Driver: DE 750/8

Input Connectors: 2 x NL4

Dimensions:

35.35" H x 17.25"W x 24"D

Weight: 128 lbs

RS-2.2, When maximum reliability and SPL is required, the RS-2.2 is the choice. Used with the TOC™ R2 processor, the RS-2.2 contains the same components as the RS-1.2 (minus the passive network) and gets the greatest performance out of them.

The TOC™ R2 processor contains: four pole linear phase dividing filters, precise equalization, Time Offset Correction (TOC™) and limiters.

The RS-2.2 features are similar to the RS-1.2 with this difference:

- Contains no passive dividing network since the system is intended to be biamplified.

RS-2.2 Specifications:

Frequency Response: 40 to 16kHz

*Power Rating: *1000 watts*

HF: 100 watts

Nominal Impedance: 4 ohm

HF: 8 ohms

Sensitivity (1w/1m): 100 dB

*Maximum SPL: 129 dB @1meter
(@ rated power)*

Nominal Coverage Angles:

60° H x 40° V, above 2 kHz

Crossover Frequency: 1.2 kHz

*L.F. Drivers: CXL-2580C &
HL-2580C*

H.F. Driver: DE 750/8

Input Connectors: 2 x NL4

Dimensions:

35.35" H x 17.25"W x 24"D

Weight: 124 lbs

Subwoofers

The TOC™ subwoofers CB-2 or RS-2BB can be used to supplement and extend the low frequencies of these cabinets.

Due to limitations of the passive dividing networks the long term average power rating of the concentric section is limited to 200 watts (40 volts into 8 ohms). Since the RS-1 and RS-1.2 have a supplemental 15" driver, their nominal impedance is 4 ohms. The long term average power rating of these cabinets is 400 watts (40 volts into 4 ohms). This in no way affects their transient capabilities. PAS recommends amplifiers that produce at least twice this power (800 watts into 4 ohms) for these cabinets. Since the RS-2.2 does not contain a dividing network, it does not have this limitation.

