

# R-Series

## Voice and Music Solutions

*Full-Range, High Efficiency, Voice Optimized Public Address and Music*



**R.25**  
8-inch 2-way



**R.5**  
12-inch 2-way



**R.5HP**  
12-inch 3-way

The flagship R-Series loudspeakers in this category continue to lead the industry in full bandwidth, high output voice and music projection systems for any size outdoor facility. The all horn-loaded design of the R.25, R.5, R.5HP, R1 and R2 provides very high efficiency and output for all of the drivers, as well as excellent pattern control in the lower frequencies, unlike traditional front-loaded woofer design loudspeakers. The pattern control provided by horn-loading makes R-Series the perfect choice for many indoor environments with difficult acoustic conditions, like long reverberation times or room geometries that cause a build-up of excess LF sound energy.

The compact 8-inch R.25 combines wide frequency response with excellent efficiency and projection ability. The HF driver is coupled to a nominal 90° x 40° horn, and the HF horn assembly is coaxially mounted with the LF driver to minimize interference at crossover. The horn-loaded LF driver delivers better low frequency pattern control, higher sensitivity, higher output, and better vocal projection than typical 8-inch two-way loudspeakers. The R.25 is ideal for use in difficult acoustic environments requiring a small footprint, like stadium concourses and gymnasiums, and offers excellent supplemental reinforcement in larger R-Series systems.

The 12-inch R.5 comes in three coverage patterns - 60° x 60°, 90° x 40° and 90° x 90°. It is engineered to deliver excellent vocal projection and wideband directivity control. The large LF horn creates substantial pattern control, helping to reduce unwanted room reflections and improve vocal clarity in difficult acoustic environments. The R.5 provides well-controlled midrange directivity and clear, articulate vocals. The high sensitivity, wide frequency response, and excellent projection capabilities over moderate distances make this loudspeaker ideal for many general purpose voice and music applications.

Meanwhile, the higher power three-way R.5HP offers higher sensitivity and additional mid range clarity for noisy or reverberant environments. The R.5HP maximizes vocal projection and intelligibility over distance by incorporating a Community M200 midrange compression driver on a coaxially mounted 60° x 40° horn, creating a focused directivity pattern with a pronounced response emphasis in the midrange voice band. The LF and HF contribute significantly to the response, resulting in effortless, realistic voice reproduction that is ideal for voice PA applications in stadiums, fair grounds, or auto racing tracks.

The large format R1 offers very high sensitivity with LF directivity control to 400 Hz. The R1's large, deep LF horn and large diaphragm 1-inch exit HF driver provide greater HF extension and LF output than the R.5HP with similar voiceband output. Available in three horn pattern options - 60° x 40°, 60° x 60° or 90° x 40°, the 12-inch R1 delivers excellent wideband directivity and is a superb choice for excessively reverberant indoor sports venues and small to mid-sized outdoor stadiums.