



R65 / R80

Active AMT Monitors



The PreSonus R65 and R80 Active AMT Monitors are 2-way speaker systems that incorporate the dynamic output characteristics of Kevlar® woofers mated with the ultra-fast transient response and ability to handle ultra-high harmonics that is unique to AMT tweeters. Featuring a transparent and highly accurate sound with a wide sweet spot, they are ideal for use in home and commercial recording studios as well as in broadcast and post production environments.

- Custom-made 6.8-inch² PreSonus AMT (Air Motion Transformer) tweeter responds to the subtlest waveforms and the highest frequencies—resulting in a greater sense of ‘air’ and ‘space’ characteristic of audiophile quality recordings
- AMT tweeter provides excellent transient response and low-distortion for clean, detailed, and highly dynamic output
- 6.5-inch (R65) and 8-inch (R80) custom coated, woven Kevlar® LF drivers produce a more dynamic output than conventional designs, thanks to the rigid cone’s ability to maintain a more constant dispersion pattern across its frequency response range
- 150W Class D bi-amplification for an open, clear, and less fatiguing listening experience
- High-frequency driver level and Acoustic Space controls enable fine tuning of the monitors for a more linear frequency response in your mixing environment
- An onboard High Pass filter lets you easily add a subwoofer to your monitoring system
- Extensive internal bracing reduces unwanted resonances



R65 / R80 Active AMT Monitors

The benefits of AMT technology...

The custom-made PreSonus AMT tweeter provides excellent transient response and low-distortion for a clean, detailed, and highly dynamic output. By combining the low-mass Kapton diaphragm with the pleated coil into a single unit, the two components move at the same instant as the current passes through the coil. Energy loss is greatly minimized—dramatically improving performance and efficiency. The end result is narrow vertical dispersion that reduces undesirable ceiling reflections and broad horizontal dispersion for a wide sweet spot that is well suited for rooms with multiple listeners.

Combined with Kevlar LF transducers...

In addition to its clean sound and 'punchy' bass, the weave and nature of the Kevlar design in the R65's and R80's woofers also works to break up any reflected energy—so fewer delayed reflections reach the listener's ears, resulting in a less colored, more cohesive sound. This design, in conjunction with the AMT tweeter, works to create a transparent sound in both models with reduced floor reflections that translates well to a variety of playback environments.

Features found in both the R65 and R80...

- LF amplifier power: 100 watts
- HF amplifier power: 50 watts
- Balanced XLR and ¼-inch TRS plus Unbalanced RCA inputs provide flexibility for seamless integration into any environment
- ADC (Analog to Digital Conversion): 24bit/192K
- DAC (Digital to Analog Conversion): 24bit/192K
- Energy Conservation Mode (with enable/disable)
- System Protection: RF interference, output current limiting, over temperature, turn-on/off transient, subsonic filter, external mains fuse



	R65	R80
LF Driver	6.5" Kevlar	8" Kevlar
HF Driver	Custom AMT Tweeter	Custom AMT Tweeter
Diaphragm Area	6.8 inch ² (4400 mm ²)	6.8 inch ² (4400 mm ²)
Equivalent Diaphragm ø	3" (75 mm)	3" (75 mm)
System Power	150W biamped	150W biamped
LF Power	100W	100W
HF Power	50W	50W
Frequency Response	45 Hz to 22 kHz	40 Hz to 22 kHz
Crossover Frequency	2.7 kHz	2.6 kHz
Peak SPL (@ 1M)	104 dB	107 db
Dimensions (HxDxW)	12.9" x 10.3" x 8" (328 mm x 261 mm x 203 mm)	14.9" x 12" x 9.5" (379 mm x 308 mm x 242 mm)
Weight	14.8 lbs (6.72 kg)	19.6 lbs (8.9 kg)

