

R80

2-Way Active AMT Studio Monitor

Key Features

- 2-way active AMT design provides articulate high-frequency response and wide stereo imaging
- Custom-designed, 6.8-inch, AMT ribbon tweeter responds to the subtlest waveforms and the highest frequencies
- 8-inch woven composite LF drivers provide transparent mid- and low-frequency reproduction for clean sound and punchy bass
- 40 Hz to 22 kHz
- 107 dB maximum continuous SPL
- 150 watt, Class D biamplification
- High Pass Filter and High frequency controls plus Acoustic Space settings for accurate mixing contour

Hear the most subtle details.

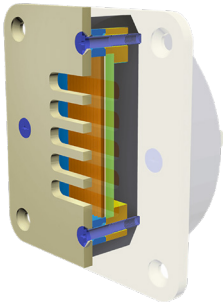


The R80 studio monitor features a custom 6.8-square-inch Air Motion Transformer (AMT) tweeter that responds to the subtlest waveforms and the highest frequencies. This allows you to hear the “air” and the greater sense of space that is characteristic of audiophile recordings. The R80 studio monitor’s transparent and highly accurate sound makes it

ideal for use in both commercial and home recording studios as well as broadcast and post-production environments.

Superior transient response and stereo imaging.

In order to dampen resonance peaks at higher frequencies, conventional dome tweeters are injected with fluid to raise their mass, sacrificing transient response time. By contrast, the custom-designed AMT tweeter in the R80 studio monitor uses an incredibly thin, folded Kapton® membrane (< 0.01 mm) with an inlaid aluminum circuit functioning as the voice coil, allowing the tweeter to move at the same instant as the electric current. The resulting reactive response time provides marked clarity and superior transient reproduction.



An unfolded AMT tweeter diaphragm provides 8 to 13 times the projection area of a traditional 1-inch dome tweeter, enabling R65 studio monitors to provide a much wider stereo soundstage than traditional designs. At the same time, the R80 speaker design provides a very limited vertical dispersion, which helps to reduce reflections from the ceiling and

desktop that can cause phase coherence issues. Because it’s less subject to room-anomaly interference, the R80 studio monitor reacts predictably and sounds consistent from room to room.

Set up your studio monitors for your room.

PreSonus knows modern recording studios can be anywhere from a spare bedroom to a multi-million dollar facility; that’s why every studio monitor we make is equipped with controls that ensure the flattest response in your mix environment. Acoustic tuning controls allow you to configure the R80 perfectly for your room—you get High Pass Filter and High-frequency controls, as well as 3-way acoustic space tuning that allows you to easily compensate for the sonic consequences of speaker placement against a wall or in a corner.

Accuracy defined.

The R80 AMT studio monitor’s design provides lifelike sonic reproduction that will allow you to hear the room in your recordings. Its transparent sound and responsive transient reproduction makes it an ideal solution for anyone who is mixing high-resolution audio.

Technical Specifications

Frequency Response	40 Hz – 22 kHz
Peak SPL	107 dB (@ 1M)
LF Amplifier Power	100W Class D
HF Amplifier Power	50W Class D
LF Driver	6.5” Woven Composite
HF Driver Type	AMT
Diaphragm	6.8-inch ² (4400 mm ²)
Inputs (1 ea.)	Balanced XLR, Balanced ¼” TRS, Unbalanced RCA
Controls	Level, HF, High Pass Filter, Acoustic Space
Energy Conservation Mode	On/Off/Query
Dimensions (WxDxH)	9.5” x 12” x 15” (241 x 309 x 379 mm)
Weight	19.8 lbs (9 kg)

