

Ayre KX-R Twenty

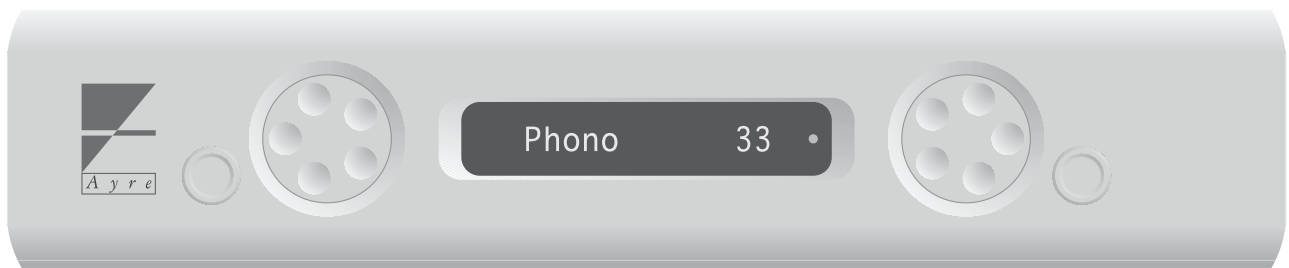
PREAMPLIFIER / FROM CHARLES HANSEN & HIS DESIGN TEAM



About Ayre Acoustics

Ayre Acoustics, Inc. has been designing and building superior quality, award-winning audio and video equipment since 1993. Manufactured in Boulder, Colorado, each component is carefully hand-assembled on-site by a dedicated technician, using only state-of-the-art materials and assembly techniques. Quality control is assured by a rigorous testing procedure, as well as a thorough inspection process. Ayre's service and support is unsurpassed. Our environmentally responsible manufacturing processes include the careful selection of equally conscientious American suppliers. Enter the world of Ayre; enter a new dimension of musical meaning and cinematic enjoyment.





Since the introduction of the KX-R preamplifier in 2008, Ayre have embarked on many projects involving new technologies. While progressing along this musical journey, Ayre's collective knowledge base has grown immensely in all areas of audio circuit design.

These new insights have been implemented at the highest level in the complete redesign of the KX-R Twenty. These technologies and upgrades to the KX-R have resulted in a preamplifier which is as revolutionary now as the KX-R was when it was originally introduced with the world's first Variable Gain Transconductance (VGT) volume control.

The debut of Ayre's AyreLock power supply uses a new type of discrete voltage regulation with more than twice the capacitance of the old power supply, delivering powerfully layered dynamics—musically.

Ayre's optimizations of the current mirror and addition of the Ayre Diamond output stage impart such a stunning sense of realism that you will be captivated from the first note. The resolution of detail and ultimate sense of refinement you will discover in the KX-R Twenty both come from hundreds of hours of listening tests, allowing Ayre to choose the absolute best part for every critical area along the audio circuit.

Finally, following Ayre's mantra that everything matters, they have explored each detail in the audio path from circuit trace length to part orientation and have included processes which many would consider fanatical, pushing this preamplifier to the brink of perfection.

Celebrate twenty years of adventure and invention with the KX-R Twenty.

Features

- Variable Gain Transimpedance (VGT) volume circuit
- Ayre's exclusive Diamond output circuit
- AyreLock power supply
- zero-feedback, fully-balanced discrete circuitry
- 60 step volume control, each of 1.0 dB
- Equilock circuitry for active gain devices
- Input ground switching for true source isolation
- Eight inputs: four balanced, four single-ended
- Two balanced outputs, two balanced tape outputs
- Dimmable silent-mode fluorescent display
- Ultra-high-speed circuit board material
- Fly-by-wire control system
- Solid aluminum monocoque chassis

Specifications

Input Impedance

2 Mohm balanced (1 Mohm per phase)

Output Impedance

300 ohm balanced (150 ohm per phase)

Frequency Response

DC - 250 kHz

Power Consumption

35 watts in standby or normal operation
65 watts with remote control active

Dimensions

17.25" W x 11.5" D x 3.75" H
(43.8cm x 29.2cm x 9.5cm)

Weight

40 pounds 18 kg