Lawo IP Technology for Radio Republik Indonesia



Picture: RRI

Radio Republik Indonesia (RRI), Indonesia’s national public broadcaster, has modernized its studios with state-of-the-art Lawo solutions, installing three 14-fader crystal mixing consoles and a Power Core router. Ordered in October 2024 and completed by December, this upgrade enhances operational efficiency, streamlines workflows, and establishes in two steps a future-proof, fully IP-based broadcast infrastructure.

Founded in 1945, RRI serves as the country’s primary public radio network, delivering news, education, and entertainment across Indonesia and internationally. Based in Central Jakarta, the station operates within the country’s political and cultural hub, a dynamic metropolis where tradition and modernity intersect.

In an evolving media landscape, radio broadcasters face the challenge of integrating digital workflows, maintaining production quality, and ensuring seamless operation across multiple studios. Lawo’s crystal mixing consoles and Power Core router provide RRI with a comprehensive and flexible solution. The crystal consoles offer an intuitive user interface, precision faders, and customizable workflows, enabling operators to manage live and recorded content with ease. Their compact footprint is ideal for modern studio environments, while their powerful DSP engine ensures superior audio processing and low-latency performance.

At the heart of RRI’s new setup, the Power Core router acts as a high-capacity audio hub, supporting extensive I/O configurations and facilitating smooth signal

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distribution between studios. In this initial phase, RRI has interconnected its three studios using MADI, ensuring a reliable and efficient workflow while laying the foundation for future expansion. A second phase will see RRI transitioning to full IP networking via RAVENNA, enabling seamless connectivity to remote sites and integrating playout systems for enhanced flexibility and efficiency.

By adopting an IP-based architecture, RRI positions itself at the forefront of modern broadcasting. This transition enables seamless remote production, cloud-based workflows, and future integration with emerging technologies. The flexibility of IP networking ensures that RRI can adapt to changing industry requirements, maintain high audio quality, and optimize resource utilization across its facilities. This investment underscores RRI’s commitment to innovation, efficiency, and long-term operational excellence, ensuring high-quality broadcasting for years to come.

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