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FOR IMMEDIATE RELEASE

## RDL Introduces RU-PA40D 40 W Stereo Audio Power Amp with VCA

The RU-PA40D is the ideal choice in many applications where a high quality, high efficiency utility amplifier is needed to drive a pair of 4  $\Omega$  or 8  $\Omega$  speakers. The output impedance is switch selectable on the front panel of the module. It is specifically suited to amplification applications where users need to adjust the gain. Examples include projectors or monitors with fixed audio outputs used in classrooms, boardrooms or video conferencing. The RU-PA40D is ideal for foreground sound amplification in small to medium rooms or in a specific zone within a retail space.

The RU-PA40D is equipped with an internal stereo VCA for setting the output level on both amplifier channels. A detachable terminal block provides for the connection of an external 10 K $\Omega$  potentiometer or a 0 to 10 Vdc control voltage. The RDL RLC10K and RLC-10R remote controls are ideal for remote controlling the RU-PA40D. Remote control is possible using audio, control or common computer network wire.

The RU-PA40D includes a stereo analog compressor/limiter for audio fidelity noticeably superior to conventional class D amplifiers with digital limiting. The input GAIN settings determine whether the limiter alone is used for clipping suppression, or if the full compressor/limiter will be used to substantially increase the average output power beyond that of a standard 40 W amplifier. A red front panel LED flashes when the limiter is preventing output clipping. The RU-PA40D, with compression, is capable of producing average audio output levels and clarity normally expected from stereo amplifiers with a much higher output power rating.

A blue POWER LED illuminates when the RU-PA40D is powered from its external 24 Vdc power supply (included). The module is equipped with both thermal and output short circuit protection. The high efficiency Class D output stages produce minimal heat for all levels of expected voice or music modulation.

For more information visit [www.rdlnet.com](http://www.rdlnet.com) or contact RDL Sales at 1-800-281-2683.

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