# VIDEO PROJECTOR SERIAL MULTIMEDIA CONTROL UNIT USING ARDUINO (RS232)

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In this project, an ordinary video projector was controlled using serial commands (RS232) via an Arduino Mega. Operation through an external custom-made 3D printed multimedia panel fitting into a 50 mm cable channel eliminates the need for the proprietary infrared remote control. The cost of the equipment was reduced by 80% compared to a commercial solution and is highly customizable. The secondary objective of the installation was to provide the user with a simple, unambiguous control panel that is completely reliable. The project presented covers the entire work-through process from analysis and planning to installation and the finished result.