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USB - TV player based on MICROCHIP PIC18F4550 Microcontroller .

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Abstract : It has been observed from literature, a PIC 18F4550 microcontroller establishes the design of an embedded system through USB for multimedia streaming applications . The stand - alone system processes input obtained from a UUSB flash drive and the video and the audio is displayed onto a television which is digitally interfaced. The 40 -pin DIP USB V2.0 compliant microcontroller PIC18F4550 provides high computational performance in terms easy programming at an affordable cost . Meanwhile the implementation is simpler ; power consumption is lower ; the applicability and expansibility is stronger .