

All these devices are designed to effectively work within a wide single power supply voltage range (10V - to 36V) and can provide the most requested output power configurations. This is so because STA329's power section consists of four independent half bridges that can be configured via digital control to work single-ended, bridge-tied-load (BTL) and parallel BTL (PBTL - using all of the amplifiers to drive a subwoofer). The available post-scale feature and limiter allow the designer to vary the output power of STA329 keeping the operative conditions, the external components and the speakers unchanged.