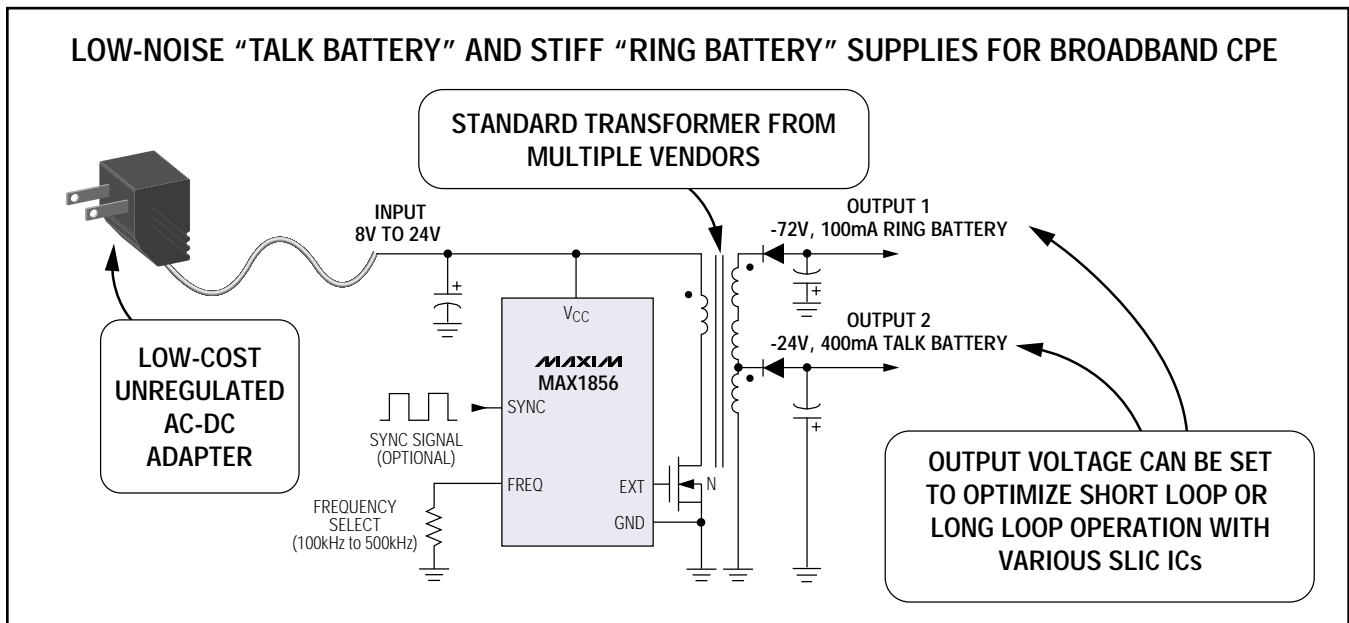


# LOW-COST, DUAL-OUTPUT SLIC SUPPLY USES STANDARD TRANSFORMER

Uses Low-Cost, Unregulated Wall Adapter. Synchronizes to Clock for Low Noise.

The MAX1856 generates a low-noise "Talk Battery" supply and a stiff "Ring Battery" supply for subscriber line interface circuits (SLIC) in your voice-enabled broadband consumer premises equipment (CPE). Fixed frequency switching and synchronization eliminate audio-band noise, and a stiff supply reduces ring trip transients. To minimize the total cost, the MAX1856 controller uses one N-channel MOSFET and a standard transformer available from multiple vendors. It operates from a low-cost unregulated power supply.



The MAX1856 can be configured to work with different input and output voltages from those shown in the block diagram. For further information, please contact your local Maxim FAE or email us at [powerhelp@design.maxim.com](mailto:powerhelp@design.maxim.com).

- ◆ Wide Input Range, Operates from Unregulated Wall Adapter
- ◆ Synchronizes to Clock
- ◆ Flyback Topology Reduces Input Ripple Current
- ◆ 100kHz to 500kHz Operation
- ◆ Digital Soft Start



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