

Ignition or Power Switch ON GPIO Power Good Bit High Turn ON Relay or FET with time constant Pi boots Energize Power Shutdown Bit — Pi now holds circuit ON Normal Operation — Pi running

Ignition or Power Switch OFF GPIO Power Good Low Pi Voices Shutdown On Radio Pi enters shutdown state + Wait Pi sets Shutdown Signal Low 10 second delay De-energize relay or FET System Powered Down

This circuit is intended for use with a Raspberry Pi and a low power radio portable node. It gracefully shuts the Pi down and removes power from all circuits. Both Pi and radio are run from a single 12V supply with individual high efficiency switching power supplies. The required software is part of the hamvoip RPi2/3 package. See the howto on the hamvoip.org web page.

See the auto shutdown howto at hamvoip.org for info on turning on the shutdown_monitor.sh script on the RPI which is required for this circuit to function

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File: Pi auto shutdown.sch

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