

# Power

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## Functions

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void **taskPowerDrive** (uint32\_t GPIO\_pwr\_out)

uint32\_t **getPowerOut** ()

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## Detailed Description

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powerDrive.c - Power Driver module.

PowerMan.c - Module

## Function Documentation

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**uint32\_t getPowerOut ( )**

uint32\_t **getPowerOut()**

This method retrieves the current power output to the black box oven.

### Returns

The current power output to the black box oven.

**void taskPowerDrive ( uint32\_t GPIO\_pwr\_out )**

void **taskPowerDrive()**

### Parameters

**GPIO\_pwr\_out** is the GPIO pin used for PWM output signal to resistor/heater inside black box.

This task is used to determine the output signal to the resistor/heater inside the black box. It will adjust the PWM signal used to drive the GPIO connected to the heater system, and therefore the temp of the black box, according to input from PID controller module.

### Returns

None.

