

## MotorController

- sleep\_gpio\_port\_: GPIO\_TypeDef\*
- sleep\_pin\_: uint16\_t
- dir\_gpio\_port\_: GPIO\_TypeDef\*
- dir\_gpio\_pin: uint16\_t
- pwm\_timer\_: TIM\_HandleTypeDef\*
- pwm\_channel\_: uint32\_t
- max\_dutycycle\_: int32\_t

- + Setup(): void
- + SetSpeed(int): void
- + Brake(): void
- + Coast(): void