

MPU6050 Reg

Reference : <https://gettobyte.com/implementation-of-mpu6050-with-stm32/>

Name	Address (Hex)	Function
REG_MPU6050_ADDR	0xD0	It is the device address for the MPU6050 module
REG_SMPLRT_DIV	0x19	This register specifies the divider from the gyroscope output rate used to generate the Sample Rate for the MPU-6050.
REG_GYRO_CONFIG	0x1B	This register is used to trigger gyroscope self-test and configure the gyroscopes' full scale range.
REG_ACCEL_CONFIG	0x1C	This register is used to trigger the accelerometer self test and configure the accelerometer full scale range. This register also configures the Digital High Pass Filter (DHPF).
REG_ACCEL_XOUT_H	0x3B	These registers store the most recent accelerometer measurements.
REG_TEMP_OUT_H	0x41	These registers store the most recent temperature sensor measurement.
REG_GYRO_XOUT_H	0x43	These registers store the most recent gyroscope measurements.
REG_PWR_MGMT_1	0x6B	This register allows the user to configure the power mode and clock source. It also provides a bit for resetting the entire device, and a bit for disabling the temperature sensor.
REG_WHO_AM_I	0x75	This register is used to verify the identity of the device. The contents of WHO_AM_I are the upper 6 bits of the MPU-60X0's 7-bit I2C address. The least significant bit of the MPU-60X0's I2C address is determined by the value of the AD0 pin. The value of the AD0 pin is not reflected in this register.