

BLE SPEC

MPU6050 Data Stream					
Service UUID	797fa400-8bce-4a63-ad85-25a131d2799d				
Characteristics					
Name	UUID	Properties	Data Type	Comments	
Acceleration	797fa401-8bce-4a63-ad85-25a131d2799d	Read	int32_t	XYZ acceleration data(m/s2), scaled by 1000. Each value is a 32bit signed integer(MSB first).	
Gyro	797fa402-8bce-4a63-ad85-25a131d2799d	Read	int32_t	XYZ gyro data(rad/s), scaled by 1000. Each value is a 32bit signed integer(MSB first).	
MPU Status	797fa403-8bce-4a63-ad85-25a131d2799d	Read	uint8_t	1 if module is available, 0 if module has error/unavailable	
EMS					
Service UUID	5cf7d300-0ac9-4df4-b0e5-e28a976fe53b				
Characteristics					
Name	UUID	Properties	Data Type	Comments	
EMS Control	5cf7d301-0ac9-4df4-b0e5-e28a976fe53b	Read/Write	uint8_t	1 to enable EMS, 0 to disable EMS	
EMS Session	5cf7d302-0ac9-4df4-b0e5-e28a976fe53b	Read/write	uint32_t	Read duration of current session, write to create a session with the value as the session length in seconds	
EMS Mode	5cf7d303-0ac9-4df4-b0e5-e28a976fe53b	Read/Write	uint8_t	Set EMS mode(0-7)	
Chan1	5cf7d304-0ac9-4df4-b0e5-e28a976fe53b	Read/Write	(array)	- (uint32_t) ON_TIME (Milliseconds) - (uint32_t) OFF_TIME (Milliseconds)	MSB First
Chan2	5cf7d305-0ac9-4df4-b0e5-e28a976fe53b	Read/Write	(array)	- (uint32_t) Signal ON Duration (Nanoseconds) - (uint32_t) Power SIGNAL interval (Microseconds)	Default PWM period is 64us, MSB First
Chan3	5cf7d306-0ac9-4df4-b0e5-e28a976fe53b	Read/Write	uint8_t	- (uint8_t) Duty cycle (0-100)	
Chan4	5cf7d307-0ac9-4df4-b0e5-e28a976fe53b	Read/Write	uint8_t	- (uint8_t) Duty cycle (0-100)	
AAEMS					
Service UUID	5cf7d320-0ac9-4df4-b0e5-e28a976fe53b				
Characteristics					
Name	UUID	Properties	Data Type	Comments	
AAEMS Control	5cf7d321-0ac9-4df4-b0e5-e28a976fe53b	Read/Write	uint8_t	Write 1 to enable, 0 to disable. Read for status	
AAEMS Session	5cf7d322-0ac9-4df4-b0e5-e28a976fe53b	Read	uint32_t	EMS session parameters.	
AAEMS Intensity	5cf7d323-0ac9-4df4-b0e5-e28a976fe53b	Read	uint8_t	Current EMS intensity(0-100)	