

Arduino Pin	IDE Pin	Signal	Wire Color	Function	Details
0	0	*Serial RX	NC	default serial communications	Serial communication on the Arduino are mirrored on these pins by default. Data can be monitored in the IDE using the serial monitor. You can also use these pins for other purposes.
1	1	*Serial TX	NC	Default serial communications	
2	2	Sensor In	BLU	left antenna	
~3	3	Sensor In	WHT	right antenna	
4	4	Soft Serial RX	BLU	software serial communications	Bluetooth serial communications for remote control.
~5	5	Soft Serial TX	GRN	software serial communications	
~6	6	State	WHT	bluetooth status check	Bluetooth connection status.
7	7				
8	8				
~9	9				
~10	10				
~11	11				
12	12	STATUS LED	N/A	STATUS INDICATOR	
13	13				
A0	A0				
A1	A1				
A2	A2				
A3	A3	Batt Level	WHT	main battery voltage reading	voltage divider tied to Vin and GND
A4	A4	SDA	GRN	I2C connection	Communication to 16 channel PWM board happens here.
A5	A5	SCL	YEL	I2C connection	
A6	A6				
A7	A7				

Notes: