

1.2 Operational Descriptions

1.2.1 Product Descriptions

The system is used to control up to two cars in a digital slotcar racing environment.

The receiver gets the desired power stage from the hand throttles. It generates a PWM Signal to drive the cars on the track over Mos-Fets.

The hand throttles are small devices which can be used in the hand of the players. Player can select the speed stage with a push rod. The data's are transmitted to the receiver over the air like described as below. The hand throttle is powered by a small Lion battery, the charging unit is integrated in the device as well.

Ratings and System Details

	Transceiver
Frequency range	: 2410-2472 MHz
Number of channels	: 32
Channel Frequency	: 2410, 2412, 2414, 2416, 2418, 2420, 2422, 2424, 2426, 2428, 2430, 2432, 2434, 2436, 2438, 2440, 2442, 2444, 2446, 2448, 2450, 2452, 2454, 2456, 2458, 2460, 2462, 2464, 2466, 2468, 2470, 2472
Type of modulation	FHSS modulation (GFSK)
Power supply	: 14.8 V from AC/DC adapter
Ports	: none
Protection Class	: III