

User Need	Product Attribute	Engineering Specifications
Long range daylight play	IR detector sensitivity	IR sensor detects hits at 100 feet in sunlight
Users can tell when target is hit	Responsiveness	Kite begins descent in < 2 seconds
Child appropriate kite reset procedure	Intuitive reset process	Resetting kite takes < 3 steps
Kite easily flies in average wind speed (5-20 mph)	Weight	Electronics weighs < 1.1 lbs Total weight of kite and electronics is < 5 lbs
Kite durability	Drop tests	Electronics can withstand > 5000 drops from a height of 100 ft
	Kite lifetime	Kite flyable for 180 hours
Electronics package durability	Electronics lifetime	Electronics functional for 2 years
The product can be used multiple times before changing battery	Battery life	Battery lasts > 7 hrs
Does not harm user	Complies with CPSIA toy standards	Compliant
Striker can be used by target age group	Striker size and weight	Striker fits the 5 to 95 percentile of children aged 6-12 years old