

EMC TEST CERTIFICATE

YORK EMC SERVICES (2007) Ltd
DONIBRISTLE INDUSTRIAL PARK
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UKAS Testing Number 1574

Issued to: -	Mike Knox Live-Wire Pyrotechnics 7 Gleneagles Court Whitburn West Lothian EH47 8PG UK	Order No.	Pro Forma
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Electromagnetic Compatibility Test/s were performed on the apparatus as detailed: -

Description	Remote Control (Infra Red) Firework Igniter		
Type number	Launch Kontrol		
Serial Number/s	None		
Configuration/ Mode of Operation	Set up with all channels ready to fire.		
Date received	23 rd May 2008	Date Tested	23 rd May 2008
Specification/s	EN55022 Class A	Information Technology Equipment. Radio disturbance Characteristics. Limits and methods of measurement	
	EN 61000-6-1:2001	Electromagnetic compatibility (EMC) Part 6-1 Generic standards: Immunity for residential, commercial and light-industrial environments	

The apparatus to which this certificate relates was tested against the above specifications. Full results are retained on file at the EMC Test Centre, Donibristle. The apparatus was found to be compliant to the above specifications subject to the following conditions:



UKAS Accreditation

Tests marked "Not UKAS Accredited" in this certificate are not included in the UKAS Accreditation Schedule for our laboratory. Opinions and interpretations expressed herein are outside the scope of UKAS Accreditation.

EUT Submitted

These results apply only to the particular EUT submitted, in the configuration used and in the mode of operation tested.

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Tested by: -		Approved signatory: -	
	G. Whyte Asst Senior Engineer		B. Tait Principal Engineer

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EMC FORM 044 Issue 10



1574
Testing



Instrumentation,
Consultancy & Research,
CPD



A BERR designated
Notified Body

Consultancy

Endorsed Training
Provider*

CPD



INVESTOR IN PEOPLE

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Company Reg No. 6048589
VAT Reg No. GB 647 2055 41

Abnormalities/Departures from Standard Conditions

None

Tests Referenced

EN 55022: 1998 + A1, A2	Information Technology Equipment. Radio disturbance Characteristics. Limits and methods of measurement
EN 61000-6-1: 2001	Electromagnetic compatibility (EMC) Part 6-1 Generic standards: Immunity for residential, commercial and light-industrial environments
Which refers to the following specifications: -	
EN 61000-4-2:1995 + A1, A2	Electromagnetic Compatibility Part 4. Testing & Measurement Techniques. Section 2. Electrostatic Discharge.
EN 61000-4-3:2002 + A1	Electromagnetic Compatibility Part 4. Testing & Measurement Techniques. Section 3. Electromagnetic Field Immunity.
EN 61000-4-4:2004	Electromagnetic Compatibility Part 4. Testing & Measurement Techniques. Section 4. Electrical Fast Transient Bursts
EN 61000-4-5:1995 + A1	Electromagnetic Compatibility Part 4. Testing & Measurement Techniques. Section 5. Surge immunity test.
EN 61000-4-6:1996 + A1	Electromagnetic Compatibility Part 4. Testing & Measurement Techniques. Section 6. Immunity to conducted disturbances induced by radio frequency fields.
EN 61000-4-8:1993 + A1	Electromagnetic Compatibility Part 4. Testing & Measurement Techniques. Section 8. Power frequency magnetic field immunity test.
EN 61000-4-11:2004	Electromagnetic Compatibility Part 4. Testing & Measurement Techniques. Section 11. Voltage dips, short interruptions and voltage variations immunity tests

Tests Performed

Test	Test level applied
Radiated Emission Electric Field	30MHz to 1000MHz, Class A limits applying
Electrostatic Discharge	8kV air, 4kV contact discharge
Electromagnetic Field Immunity	80MHz to 2700MHz, 3V/m, 1kHz 80% AM

Tests not performed

Test	Rationale
Conducted Emission power/signal lines	No AC power, no telecoms lines
Electrical Fast Transients	No ac power, no signal lines >3m
Surge	No ac power
Conducted RF Immunity	No ac power, no signal lines >3m
Power frequency magnetic field immunity	No magnetically susceptible components
Harmonic Emissions	No ac power
Voltage Fluctuations	No ac power

Opinions/Interpretations/Additional information

None

-----End of Certificate-----

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