



## EC-DECLARATION OF CONFORMITY

**Brand:** Crown  
**Equipment Type:** Commercial Audio Power Amplifiers  
**Family Name:** Amplifiers  
**Model Names:** 180A, 280A, 1160A, 660A

We, **Harman International**, declare under our sole responsibility that the product, to which this declaration relates, is in conformity with the following standards.

Report No.	Description
EN 55103-1:1997	EMC Compatibility – Product Family Standard for Audio, Video, Audio-Visual and Entertainment Lighting Control Apparatus for Professional Use, Part 1: Emissions
EN 55103-1:1997	Magnetic Field Emissions – Annex A @ 10cm and 20cm
EN 61000-3-2:2005 & AMD1:2008	Limits for Harmonic Current Emissions (equipment input current less than or equal to 16A)
EN 61000-3-3:2008	Limitation of Voltage Fluctuations and Flicker in Low-Voltage Supply systems Rated Current less than or equal to 16A
EN 55022:2006	Limits and Methods of Measurement of Radio Disturbance Characteristics of ITE: Radiated, Class B Limits; Conducted, Class A
EN 55103-2:1997	EMC Compatibility – Product Family Standard for Audio, Video, Audio-Visual and Entertainment Lighting Control Apparatus for Professional Use, Part 2: Immunity
EN 61000-4-2:2001	Electrostatic Discharge Immunity (Environment E2-Criteria B, 4k V Contact, 8k V Air Discharge)
EN 61000-4-3:2006	Radiated, Radio-Frequency, EMC Immunity (Environment E2, Criteria A)
EN 61000-4-4:2007	Electrical Fast Transient/Burst Immunity (Criteria B)
EN 61000-4-5:2006	Surge Immunity (Criteria B)
EN 61000-4-6:2006	Immunity to Conducted Disturbances Induced by Radio-Frequency Fields (Criteria A)
EN 61000-4-11:2001	Voltage Dips, Short Interruptions and Voltage Variation
<b>Safety Standard:</b>	
IEC 60065:2001 – 7 <sup>th</sup> Ed. & AMD1:2005	Safety Requirements – Audio, Video, and Similar Electronic Apparatus
CAN/CSA 60065-03 incl. AM1	Safety Requirements – Audio, Video, and Similar Electronic Apparatus
UL Std No. 60065-2007	Safety Requirements – Audio, Video, and Similar Electronic Apparatus

Copies of all Safety and EMC reports can be obtained by contacting Sue Whitfield at [sue.whitfield@harman.com](mailto:sue.whitfield@harman.com).

**Due to line current harmonics, we recommend that you contact your supply authority before connection.**

I certify that the product identified above conforms to the requirements of the EMC Council Directive 89/336/EEC as amended by 92/31/EEC, and the Low Voltage Directive 73/23/EES as amended by 93/68/EEC.

Crown, part of the Harman International group of companies, declares that the products produced under the aforementioned brand names are designed and produced as professional audio products and therefore outside of the intended scope of the European Commission Regulation (EC) 1275/2008 of 17 December 2008 implementing Directive 2005/32/EC of the European Parliament and of the Council with regard to ecodesign requirements for standby and off mode electric power consumption of electrical and electronic household and office equipment.



Harman International expects our suppliers and business partners to be aware of their obligations under REACH and expects any substances or products within the scope of REACH to be pre-registered before December 1, 2008. Given those conditions, our current products are exempt from REACH pre-registration and later registration activities. We provide separate E.U. Reduction of Hazardous Substances documentation for our RoHS compliant products.

Harman International confirms that, from the 1<sup>st</sup> July 2006 all Crown branded products placed on the European market have been manufactured in compliance with the EU Directive 2002/95/EC and its subsequent amendments.

The WEEE directive (2002/96/EC) places an obligation on all EU-based manufacturers and importers to take-back electronic products at the end of their useful life. Harman International accepts its responsibility to finance the cost of treatment and recovery of redundant WEEE in accordance with the specific WEEE recycling requirements. All of our products are marked with the WEEE symbol; this indicates that this product must NOT be disposed of with other waste. Instead it is the user's responsibility to dispose of their waste electrical and electronic equipment by handing it over to an approved re-processor, or by returning it to Harman International for reprocessing. For more information about where you can send your waste equipment for recycling, please contact Harman International or one of your local distributors.

Documentation for the above mentioned Directives can be located at:

<http://www.crownaudio.com/support.htm>



April 17, 2010  
Elkhart, Indiana, USA

Andy Stump,  
Director of Manufacturing Operations

.....  
(Place and Date of issue)

.....  
(Name, signature and function of authorized person)

**European Representative's Name and Address:**

David Budge  
10 Harvest Close  
Yateley, GU46 6YS  
United Kingdom

**Responsible for the technical documentation is:**

Sue Whitfield  
sue.whitfield@harman.com

**Explanation to preprinted EC declaration of conformity**

**Electrical products placed on the European market must generally conform to various EU directives. Directives that require an EC declaration of conformity and product CE marking:**

2006/95/EC	Low-voltage directive
2004/108/EC	Electromagnetic compatibility directive
2009/125/EC	Ecodesign directive

**Directives to additionally be complied with:**

2001/95/EC	General product safety directive
2002/95/EC	Restriction of the use of certain hazardous substances (RoHS)
2002/96/EC	Waste electrical and electronic equipment directive (WEEE)
1999/45/EC	Registration, evaluation and authorization of chemicals (REACH)