

**0359-CPR-00443**

# Intertek

**Product(s):** **HP82-EZ Range of Open-Ceiling Loudspeakers**  
(refer to attached appendix for details and conditions)

**Produced by or for:** **SoundTube Entertainment Inc.**  
6430 North Business Park Loop Road, Park City, Utah 84098, USA

**Produced in the manufacturing plant(s):** **Queen Electronic Co., Ltd (QUEENCN.01)**  
No. 350 Fengnan Road, Houban Village, Fengnan Farm, Tong'an District,  
Xiamen City, Fujian Province, 361100, China

**Intended use:** Fire Safety

This certificate attests that all provisions concerning the assessment and verification of constancy of performance described in Annex ZA of the standard(s):

**EN54-24:2008**

## Fire detection and fire alarm systems. Components of Voice Alarm Systems - Loudspeakers

Under system 1 are applied and that the product(s) fulfils all the prescribed requirements set out above.

This certificate was first issued on **19<sup>th</sup> February 2015** and will remain valid as long as the test methods and/or factory production control requirements included in the harmonised standard, used to assess the performance of the declared characteristics, do not change, and the product, and the manufacturing conditions in the plant are not modified significantly, unless suspended or withdrawn by the product certification body. A review of the product(s) and compliant standard(s) will be carried out after 5 years to ensure continued compliance.

**Notified Body**  
**0359**

Intertek Testing & Certification Limited  
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Gordon Ash  
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Gordon

Date 19/02/2015  
Issue 1

Re-Issue 19/02/2020

**www.intertek.com**

Registered No 3272281 Academy Place, 1-9 Brook Street, Brentwood, Essex,  
CM14 5NQ, United Kingdom

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# Certificate of Constancy of Performance

## 0359-CPR-00443



### Appendix to Certificate of Constancy of Performance 0359-CPR-00443

The details and conditions of use for the HP82-EZ Range of Open-Ceiling Loudspeakers, placed on the market by:

**SoundTube Entertainment Inc.**

6430 North Business Park Loop Road, Park City, Utah 84098, USA

To be used in accordance with the supplier's installation instructions and in conjunction with the following bases, ancillaries, sounder tones and sensitivity settings (*where applicable*):

### Products compliant with EN54-24:2008

Variant	Manufacturing Location	Description
HP82-EZ-BK	QUEENCN.01	64 W, 8" High Power Coaxial, Open-Ceiling, Loudspeaker - Black
HP82-EZ-WH	QUEENCN.01	64 W, 8" High Power Coaxial, Open-Ceiling, Loudspeaker - White

### Conditions of use:

Suitable for outdoor (Type B) applications

### Approved settings:

The following line voltage and power tap settings have been approved:-

	HP82-EZ-BK and HP82-EZ-WH
Line Voltage	Power Tap
25 V	8 W, 4 W, 2 W, 1 W, 0.5 W
70.7 V	64 W, 32 W, 16 W, 8 W, 4 W
100 V	64 W, 32 W, 16 W, 8 W

### General Notes:

1. Evaluated under Intertek project number 101069542.
2. The 16  $\Omega$  setting of the tap selector switch is not included in the scope of this approval.
3. No CE or other type approval is made or inferred outside of the attestation of conformity and the product performance as stipulated on this certificate.

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### Appendix to Certificate of Constancy of Performance 0359-CPR-00443 (continued)

Table of performance for EN54-24:2008 Harmonised technical specification			
Essential characteristics	Performance	Clauses	Notes
Performance under fire condition.	Pass	4.2, 5.2, 5.3, 5.4, 5.5	a
Operational reliability	Pass	4.3, 4.4, 4.5, 5.6, 5.18	b
Durability of operational reliability: temperature resistance	Pass	5.7, 5.8, 5.9	b
Durability of operational reliability: humidity resistance	Pass	5.10, 5.11, 5.12	b
Durability of operational reliability: corrosion resistance	Pass	5.13	
Durability of operational reliability: impact and vibration resistance	Pass	5.14, 5.15, 5.16, 5.17	c
Notes:			
a. The products covered by this standard are assumed to enter the alarm condition, in an event of fire, before the fire becomes so large as to affect their functioning. There is therefore no requirement to function when exposed to direct attack from fire.			
b. For Clauses 5.7, 5.9, 5.10 and 5.18, Type B conditioning was applied.			
c. Model HP82-EZ-BK and Model HP82-EZ-WH exceed 4.75 kg in weight; an assessment to Clause 5.14 was therefore not performed on these models.			