

# Loud Technologies, Inc.

## CE DECLARATION OF CONFORMITY

Manufacturer's Name: **EAW (Eastern Acoustic Works)**

Location of Declarations: **Loud Technologies, Inc. 16220 Wood-Red Rd. 98072**      **Tel: 866.858.5832**

Manufacturer Address(s): **Eastern Acoustic Works**  
1 Main St.  
Whitinsville, MA 01588  
Tel: (508) 234.6158 or 800.992.5013  
Fax: (508) 234.8251 or 800.322.8251

### Declares that the following product(s)

Product  
(Produit, Erzeugnis): **Commercial Audio – Speakers and Rigging Systems**

Model Numbers  
(Marque Commercial,  
Warenbezeichnung): **KF730, SB730 and Flybar Rigging**

### Conforms to the following international standards and Directives:

Radiated and  
Conducted Emissions  
and Immunity: **EN 55103-1:1990**  
**CISPR 22:1997** : Electromagnetic Compatibility Product Family Standard for Audio, Video, Audio-Visual and Entertainment Lighting Control Apparatus for Professional Use: Emissions.

Council Directives **73/23/EEC (Low Voltage Directive)**  
**98/37/EEC (Lifting Accessories)**  
**89/336/EEC (EMC Directive) All applicable amendments**  
**89/37/CE (Machinery Directive – Part 4)**  
**FEM 1.001 (EU Rules for the Design of Hoisting Appliances)**  
**BGV-C1 (German Standard for Audio Rigging)**  
**DIN 56950 (German Machinery Installation – Safety)**

Safety: **IEC 60065 – Professional Audio With All Country Deviations**

Signature: 

Place: Woodinville, WA. USA

Full Name: Kevin Cyrus

Date: 9 November 2006

Position: Director of Compliance Engineering



## CE DECLARATION OF CONFORMITY

### PRODUCT

Product Model: KF730 p/n 0006108  
 Description: Loudspeaker  
 Dimensions (h x w x d): 330 mm x 724 mm x 446 mm / 13.0 in x 28.5 in x 17.54 in  
 Material: 19 ply-per inch Baltic birch plywood  
 Integral aluminum rigging fittings  
 Supplied Accessories: 6x Connecting Pin p/n 0006122  
 OR Button Head Connecting Pin p/n 0020558  
 Accessories: KF730/SB730 Fly-Bar p/n 0006265  
 Spare Connecting Pin p/n 0006122  
 KF730 Caster Pallet p/n 0006385

### COUNTRY OF ORIGIN FOR THE PRODUCT AND COMPONENTS

United States of America

### TECHNICAL SPECIFICATIONS

The KF730 loudspeaker is to be suspended below or stacked on top of the KF730 Fly-Bar. When used in accordance with the KF730 Owner's Manual the Working Load Limits (WLL) and Design Factor are:

Nominal Weight	34.9 kg / 77 lb
WLL (for enclosure corner rigging points)	680.4 kg / 1500 lb
Ultimate Strength Design Factor	>10:1

### STANDARDS CONFORMITY

The KF730 loudspeakers are designed and intended to be suspended only from the KF730 Fly-Bar in accordance with the KF730 / SB730 Loudspeaker Owner's Manual.

Up to eighteen (18) KF730 loudspeakers may be vertically suspended in a column below the KF730 Fly-Bar. The maximum recommended quantity of stacked KF730s is six (6).

Combinations of KF730s and SB730s may be flown in the same array. Because KF730s and SB730s have different weights, the total weight of any combination must not exceed the WLL of the integral rigging components or that of the KF730 Fly-Bar. For combinations of KF730 and SB730, use these formulas to determine maximum quantities of each. In all cases, round the answer DOWN to the nearest integer. This keeps the total weight of the KF730/SB730 combination within the above-specified WLL.

Maximum total quantities for suspended configurations using a combination of KF730 and SB730 loudspeakers are:

Product	Maximum Total Combination
KF730	Maximum quantity KF730 = 18 - (quantity SB730 x 1.5)
SB730	Max quantity SB730 = 12 - (quantity KF730/1.5)

The maximum recommended quantity for a stacked combination of KF730/SB730 is six (6) KF730 over four (4) SB730.

The ultimate strength for the KF730 integral rigging points was determined utilizing calibrated and certified destructive pull-tests.



Eastern Acoustic Works, as the manufacturer, hereby certifies that, in their delivered versions, The KF730 complies with the provisions of the directives and standards listed below.

European Council Directive on Lifting Accessories, 98/37/EEC  
European Council Directive on Low Voltage, 73/23/EEC  
EN 60065:2002 Audio, video, and similar electronic apparatus - safety requirements  
European Council Directive on Electromagnetic Compatibility 89/336/EEC and 93/68/EEC  
EN 55103-1:1997 Electromagnetic compatibility. Product family standard for audio, video, audio-visual, and entertainment lighting control apparatus for professional use - Emission  
EN 55103-2:1997 Electromagnetic compatibility. Product family standard for audio, video, audio-visual, and entertainment lighting control apparatus for professional use - Immunity  
BGV-C1: (German Standard for Lifting Accessories and Audio Rigging)  
DIN 56950 (German Machinery Installation – Safety)

Harmonized Standards:

EN55103-1 emissions  
EN55022 Radiated and Conducted Emissions  
EN55103-2 immunity  
EN60065 safety

The Technical Report/File is maintained at:

LOUD Technologies Inc. Worldwide Headquarters  
16220 Wood-Red Road NE  
Woodinville, WA 98072 USA  
Tel: +1 425 892 6500  
Tel: +1 866 858 5832  
Fax: +1 425 487 4337  
e-mail: [info@eaw.com](mailto:info@eaw.com)

Authorized Representative:

A handwritten signature in blue ink that reads "Kevin Cyrus". The signature is written in a cursive, flowing style.

Kevin Cyrus  
Director of Compliance  
LOUD Technologies Inc.  
Issued: November, 2006



## CE DECLARATION OF CONFORMITY

### PRODUCT

Product Models: SB730 p/n 0006108  
 Description: Loudspeaker  
 Dimensions (h x w x d): 482 mm x 724 mm x 724 mm / 19.0 in x 28.5 in x 28.5 in  
 Material: 19 ply-per inch Baltic birch plywood  
 Integral aluminum rigging fittings  
 Supplied Accessories: 4x Connecting Pin p/n 0006122  
 OR Button Head Connecting Pin p/n 0020558  
 Accessories: KF730/SB730 Fly-Bar p/n 0006265  
 Spare Connecting Pin p/n 0006122  
 SB730 Caster Pallet p/n 0006386

### COUNTRY OF ORIGIN FOR THE PRODUCT AND COMPONENTS

United States of America

### TECHNICAL SPECIFICATIONS

The SB730 loudspeaker is to be suspended below or stacked on top of the KF730 Fly-Bar. When used in accordance with the KF730 / SB730 Owner's Manual the Working Load Limits (WLL) and Design Factor are:

Nominal Weight	50.3 kg / 111 lb
WLL (rigging points at corners)	680.4 kg / 1500 lb
Design Factor	10:1

### STANDARDS CONFORMITY

The SB730 loudspeakers are designed and intended to be suspended only from the KF730 Fly-Bar in accordance with the KF730 / SB730 Loudspeaker Owner's Manual.

Up to twelve (12) SB730 loudspeakers may be vertically suspended in a column below the KF730 Fly-Bar. The maximum recommended quantity of stacked SB730s is four (4)

Combinations of KF730s and SB730s may be flown in the same array. Because KF730s and SB730s have different weights, the total weight of any combination must not exceed the WLL of the integral rigging components or that of the KF730 Fly-Bar. For combinations of KF730 and SB730, use these formulas to determine maximum quantities of each. In all cases, round the answer DOWN to the nearest integer. This keeps the total weight of the KF730/SB730 combination within the above-specified WLL.

Maximum total quantities for suspended configurations using a combination of KF730 and SB730 loudspeakers are:

Product	Maximum Total Combination
KF730	Maximum quantity KF730 = 18 - (quantity SB730 x 1.5)
SB730	Max quantity SB730 = 12 - (quantity KF730/1.5)

The maximum recommended quantity for a stacked combination of KF730/SB730 is six (6) KF730 over four (4) SB730.

The ultimate strength for the SB730 integral rigging points was determined utilizing calibrated and certified destructive pull-tests.



Eastern Acoustic Works, as the manufacturer, hereby certifies that, in their delivered versions, The SB730 complies with the provisions of the directives and standards listed below..

European Council Directive on Lifting Accessories, 98/37/EEC  
European Council Directive on Low Voltage, 73/23/EEC  
EN 60065:2002 Audio, video, and similar electronic apparatus - safety requirements  
European Council Directive on Electromagnetic Compatibility 89/336/EEC and 93/68/EEC  
EN 55103-1:1997 Electromagnetic compatibility. Product family standard for audio, video, audio-visual, and entertainment lighting control apparatus for professional use - Emission  
EN 55103-2:1997 Electromagnetic compatibility. Product family standard for audio, video, audio-visual, and entertainment lighting control apparatus for professional use – Immunity  
BGV-C1: (German Standard for Lifting Accessories and Audio Rigging)  
DIN 56950 (German Machinery Installation – Safety)

Harmonized Standards:

EN55103-1 emissions  
EN55022 Radiated and Conducted Emissions  
EN55103-2 immunity  
EN60065 safety

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Fax: +1 425 487 4337  
e-mail: [info@eaw.com](mailto:info@eaw.com)

Authorized Representative:

Kevin Cyrus  
Director of Compliance  
LOUD Technologies Inc.  
Issued: November, 2006





Eastern Acoustic Works, as the manufacturer, hereby certifies that, in their delivered versions, The KF730 Fly-Bar complies with the provisions of the directives and standards listed below.

European Council Directive on Lifting Accessories, 98/37/EEC  
EN 60065:2002 Audio, video, and similar electronic apparatus - safety requirements  
BGV-C1: (German Standard for Lifting Accessories and Audio Rigging)  
DIN 56950 (German Machinery Installation – Safety)

Harmonized Standards:  
EN60065 safety

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Kevin Cyrus  
Director of Compliance  
LOUD Technologies Inc.  
Issued: November, 2006



## CE DECLARATION OF CONFORMITY

### PRODUCT

Product Models: Connecting Pin KF730/SB730 p/n 0006122  
 Button Head Connecting Pin p/n 0020558  
 Description: Double action quick release pin accessory for KF730, SB730, KF730/SB730 Fly-Bar  
 Nominal length: 38 mm / 1.5 in  
 Material (Handle): Aluminum  
 (Shaft): Alloy steel  
 Accessories: n/a

### COUNTRY OF ORIGIN FOR THE PRODUCT AND COMPONENTS

United States of America

### TECHNICAL SPECIFICATIONS

The Connecting Pins are for fastening KF730s and/or SB730s to each other and to the KF730 Fly-Bar for suspension and stacking.

When used in accordance with the KF730 / SB730 Owner's Manual the Ultimate strength is:

Ultimate Strength (double shear)	9344 kg / 20 600 lb
WLL	1600 lb
Design Factor	>12:1

### STANDARDS CONFORMITY

The Connecting Pins are designed and intended for fastening together suspended and stacked KF730 and SB730 loudspeakers in accordance with the KF730 / SB730 Loudspeaker Owner's Manual.

The ultimate strength is as certified by the original equipment manufacturer.

Eastern Acoustic Works, as the manufacturer, hereby certifies that, in their delivered versions, the Connecting Pin complies with the provisions of the directives and standards listed below.

European Council Directive on Lifting Accessories, 98/37/EEC  
EN 60065:2002 Audio, video, and similar electronic apparatus - safety requirements

Harmonized Standards:  
EN60065 safety

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LOUD Technologies Inc. Issued: November, 2005