Bel BCR 4

Audio confidence monitor

User's Guide

Version 1.1 10/09/12

BEL (Digital Audio) Ltd. has made every effort to ensure the accuracy of information contained within this document which is nevertheless supplied for information purposes only and does not constitute any form of warranty or guarantee.

All trademarks acknowledged.

The information in this document is subject to change without notice.

Bel (Digital Audio) Ltd.
Unit 3
Horwood Court
Bletchley
Milton Keynes
Bucks
MK11RD
United Kingdom
Tel: +44 (0)1908 641063
Email: info@beldigital.com
Web: www.beldigital.com

Contents

Introduction

The BCR 4 is a 4 stereo pair professional audio confidence monitor housed in a 1U rack. The unit features four amplifiers and four speakers The BCR 4 will accept four pairs of stereo analogue inputs then produce 4 mono audio signals. These are output to the internal speakers.

Front panel controls

4 volume controls are located on the front panel, one for each stereo pair. A power on indicator is also provided. Fig 1.1.

Rear panel

Several connectors are provided on the rear panel, from left to right these are:

Mains input

This is a combination IEC connector, fuse and off/on switch.

Audio inputs

Eight female XLR type connectors are provided to receive the analogue audio inputs. These inputs are treated as stereo pairs and four mono signals are derived from them. Fig1.2.

Fig 1.1 BCR 4 Front panel

Fig 1.2 BCR 4 Rear panel

BCR 4 Specification

Audio Specification

Analogue inputs	25kΩ differential on female XLR connector
Peak acoustic output	85dB SPL per speaker (@ 2ft)
Hum & noise main output	more than 80dB below full output.
Speakers	-10 db @ 220 Hz

General

Power requirements	90-260 VAC 40/60Hz
Power consumption	30W Max
Dimensions	483mm x 200mm x 44.3mm
Weight	4kg

EMC compliance

The BCR4 was designed and tested to comply with the EMC directive numbers EN55103, EN55022 and EN55082-1 when used as directed.

It is recommended that, where possible, all cables be good quality screened twisted pairs with the screening braid connected to pin 1 on the XLR connector. Optimum performance is obtained using double-screened cable with separate ground returns.