

# Warranty

Benson SoundLabs Limited Warranty

Benson SoundLabs warrants this product, under normal use, to be free of defects in materials and workmanship for a period of One (1) Year from date of purchase, with proof of purchase from an authorised Benson SoundLabs dealer.

Benson SoundLabs will either replace or repair the product, or refund the purchase price, at its discretion. In the event repair is required, shipment to and from Benson SoundLabs nominated address shall be the responsibility of the purchaser. A Return Authorisation number may be obtained from the website. The product should be shipped back in its original packaging.

The product must be registered to the original purchaser having completed the product warranty electronic registration at <http://www.bensonsoundlabs.com>.

In the event that Benson SoundLabs determines that the product requires repair due to misuse, it will assess a fair repair or replacement fee. The purchaser will have the option to pay this fee and have the product repaired and returned.

Benson SoundLabs will not be liable for consequential, special, indirect, or similar damages or claims including loss of profit or any other commercial damage.

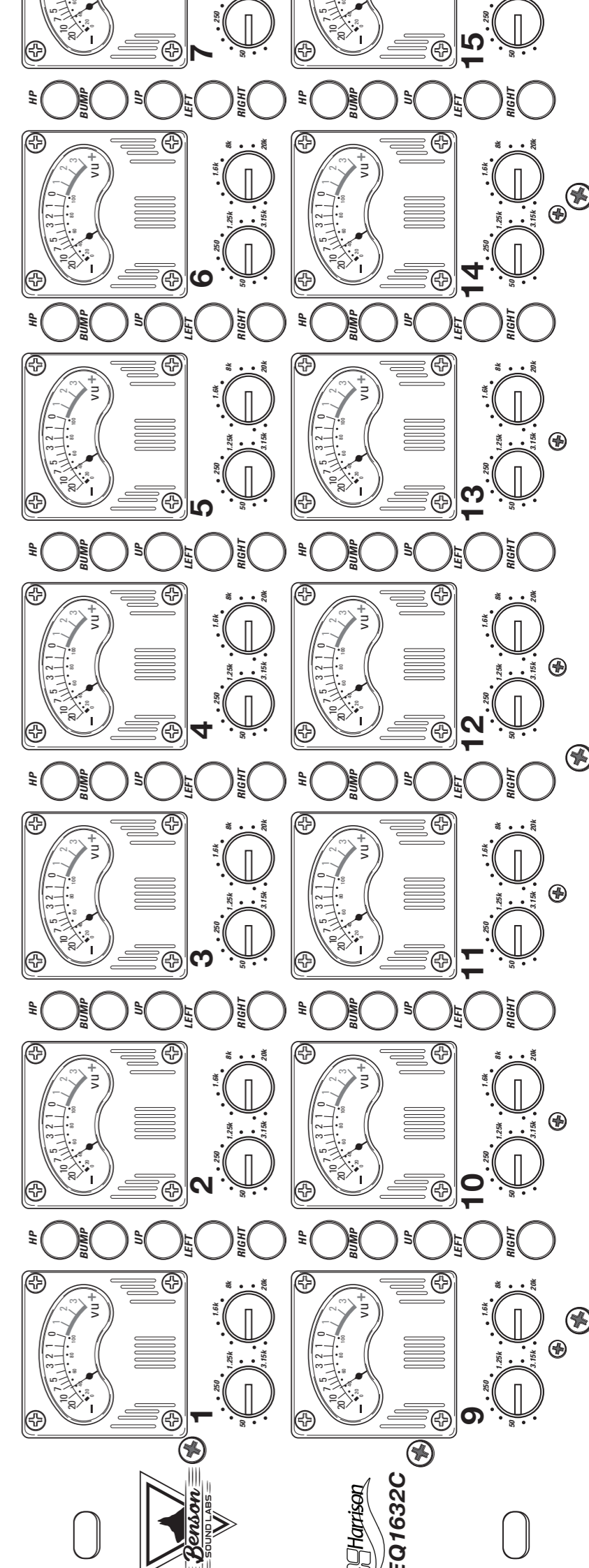
This warranty shall be construed, interpreted, and governed by the laws of the state of California. If any provision of this warranty is found void, invalid or unenforceable, it will not affect the validity of the balance of the warranty, which shall remain valid and enforceable according to its terms. In the event any remedy hereunder is determined to have failed of its essential purpose, all limitations of liability and exclusion of damages set forth herein shall remain in full force and effect.



## 1632 Filter- EQ



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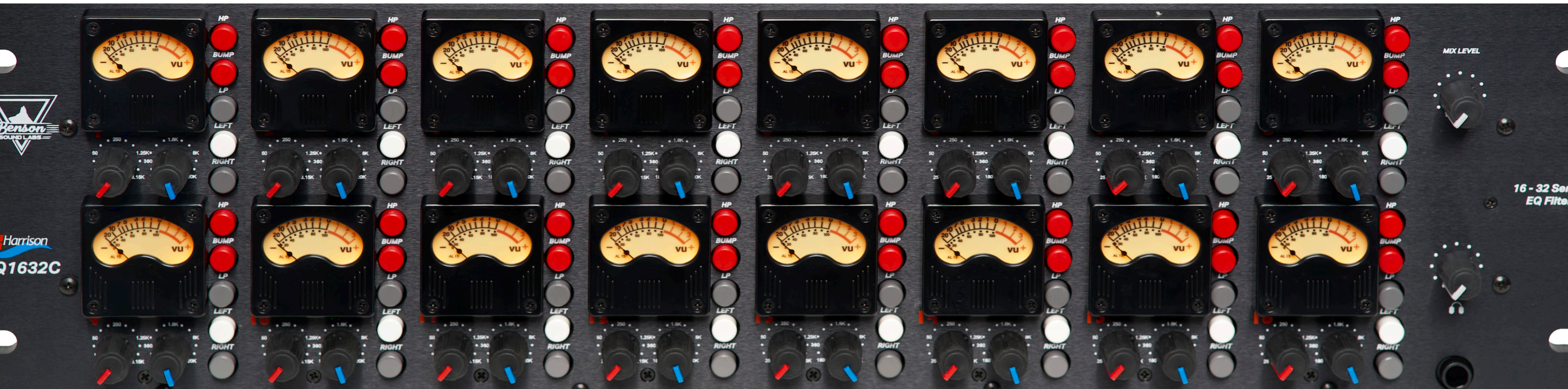
# 1632 Filter- EQ

## The 1632 Filter/ EQ / SUMMING MIXER

Includes 16 channels of high-pass / low-pass filters from Harrison's world-renowned 32-series console - providing classic Harrison sound for recording and mixing. The first Harrison console shipped in 1975. Since that time, countless ground-breaking artists have been recorded and mixed on Harrison- designed consoles - AC/DC, Janet Jackson, Queen, ABBA - the list goes on! The greatest selling album of all time - Michael Jackson's "Thriller" - was recorded and mixed on a Harrison 32-series console using the very same filters featured on the 1632C.

## Features

Each channel features in / out buttons (marked "HP" and "LP"), a "Bump" button, 2 sweepable filter knobs, VU input meter and Left/Right BUSS assign buttons. The main section includes MIX output and HEADPHONE output for variable controls. The rear includes 16 channels of DIRECT IO and LEFT/ RIGHT MIX outputs for SUMMING and BUSS feed. A stereo LINK on 1/4" allows cascading and expansion.



## Overview

When the filters are engaged, the variable filter knobs adjust the desired frequency. The HPF knob (red) allows adjustment from 25Hz to 3.15KHz. The LPF knob (white) allows adjustment from 180Hz to 20KHz. When engaged, the unique "Bump" button creates a resonant "boost" just above the selected HPF frequency - re-creating the signature low-end of the Harrison 32-series consoles. This resonance accentuates audible low frequencies while rolling off unneeded sub-low energy. Combined with proper execution of the LPF, the "Bump" feature makes the 1632C the perfect piece to fatten kick drums, beef up bass lines, and add body to guitar tracks.

The 1632 is an all analog 16 Channel Summing MIXER providing Filter/ EQ on each channel. A total of 16 direct inputs are available from your DAW which can be bussed to the MIX Outputs to return the SUMM mix utilising that famous Harrison Sound with all the headroom of Analog.

The audio connections are provided on AES59 (Tascam DB-25) connectors. These connectors match the output of the Lineage Super 8 Mic Preamp/ Summing Mixer. When used in tandem, the 1632C Filter/ EQ Unit and the Lineage Super 8 Mic Preamp/ Summing Mixer provide a complete 8-channel inputted SUMMING solution with preamp, filters/ EQ, bussing, headphone monitoring and metering.

## Specifications

- |                               |                           |
|-------------------------------|---------------------------|
| • Input Impedance             | 10K ohms                  |
| • Output Impedance            | < 50 ohms +24 dBu +24 dBu |
| • Maximum Input Level         | +28dbu                    |
| • Maximum Output Level        | +28 dBu                   |
| • THD 0.001% at               | +26dbu                    |
| • Freq. Response (no filters) | 20Hz-20kHz +/- 0.25 dB    |
| • Freq. Response (filters in) | 20Hz-20kHz +0, -3 dB      |
| • HP / LP Filter Slope        | 12 dB / Octave            |

