



88R LBEQ



User Manual

527-419

Issue 1

Health & Safety Notice



- READ THESE INSTRUCTIONS AND KEEP THEM HANDY
- HEED ALL SAFETY WARNINGS
- DO NOT USE NEAR WATER
- CLEAN ONLY WITH A DRY CLOTH
- DO NOT INSTALL NEAR HEAT SOURCES
- DO NOT BLOCK VENTILATION OPENINGS
- USE ONLY ACCESSORIES SPECIFIED BY THE MANUFACTURER
- REFER ALL SERVICING TO QUALIFIED PERSONNEL ONLY
- NO USER SERVICEABLE PARTS INSIDE

**FAILURE TO OBSERVE THESE PROCEDURES AND RECOMMENDATIONS
WILL INVALIDATE THE MANUFACTURER'S WARRANTY**

Important Safety Instructions



- LISEZ CES INSTRUCTIONS ET GARDEZ-LES À PORTÉE DE MAIN
- TENEZ COMPTE DE TOUS LES AVERTISSEMENTS DE SÉCURITÉ
- NE PAS UTILISER PRÈS D'UNE SOURCE D'EAU
- NETTOYER UNIQUEMENT AVEC UN CHIFFON SEC
- NE PAS INSTALLER PRÈS D'UNE SOURCE DE CHALEUR
- NE PAS BLOQUER LES BOUCHES D'AÉRATION
- N'UTILISER QUE LES ACCESSOIRES SPÉCIFIÉS PAR LE FABRICANT
- CONFIER TOUTES LES OPÉRATIONS DE MAINTENANCE À DU PERSONNEL QUALIFIÉ UNIQUEMENT
- AUCUNE PIÈCE INTERNE N'EST RÉPARABLE PAR L'UTILISATEUR

LE NON-RESPECT DE CES PROCÉDURES ET RECOMMANDATIONS INVALIDERA LA GARANTIE DU FABRICANT



Important Safety Instructions

For your own Safety and for the protection of others, please observe the following safety precautions:

- 1) Read these instructions.
- 2) Keep these instructions.
- 3) Heed all warnings.
- 4) Follow all instructions.
- 5) **WARNING:** To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture
- 6) Clean only with dry cloth.
- 7) Do not block any ventilation openings.
- 8) Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- 9) Unplug this apparatus during lightning storms or when unused for long periods of time.
- 10) Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as when liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped

WARNING:

TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPARATUS TO RAIN OR MOISTURE.

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Instructions Importantes sur la Sécurité:

Pour votre sécurité et celle des autres merci de respecter les instructions de santé et sécurité suivantes :

- 1) Lisez ces instructions.
- 2) Gardez ces instructions.
- 3) Tenez compte de tous les avertissements.
- 4) Suivez toutes les instructions.
- 5) **ATTENTION:** afin de réduire les risques d'incendie ou de choc électrique, n'exposez pas cet appareil à la pluie ou à l'humidité
- 6) Nettoyez uniquement avec un chiffon sec
- 7) Ne pas bloquer les bouches d'aération
- 8) Ne pas installer à proximité d'une source de chaleur telle qu'un radiateur, une bouche d'air chaud, des plaques de cuisson (ou cuisinière), ou n'importe quel autre appareil producteur de chaleur (y compris un amplificateur)
- 9) Débranchez cet appareil pendant les orages ou de longues périodes d'inactivité.
- 10) Confiez toutes les opérations de maintenance à un technicien qualifié. Un entretien est nécessaire lorsque l'appareil a été endommagé de quelque manière que ce soit, comme par exemple si le cordon d'alimentation ou la fiche sont endommagés, du liquide a été renversé ou des objets sont tombés dans l'appareil, si l'appareil a été exposé à la pluie ou à l'humidité, s'il ne fonctionne pas correctement ou a subi une chute de hauteur.

ATTENTION:

AFIN DE RÉDUIRE LES RISQUES D'INCENDIE OU DE CHOC ÉLECTRIQUE, N'EXPOSEZ PAS CET APPAREIL À LA PLUIE OU À L'HUMIDITÉ.



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Console EQ Legacy

The Neve 88RS console EQ is the result of decades of equaliser design developed for Neve's flagship consoles. Used in many of the world's leading studios, the 88RS EQ is known for its musical precision, flexibility, and control. Designed to offer both broad tonal shaping and detailed corrective equalisation, it remains a cornerstone of modern professional recording and mixing.

Iconic Sound Quality

Building on this rich legacy, the Neve 88R EQ section is recognised for its clarity, balance, and musical response. It allows precise tonal shaping while maintaining the natural character of the source material. The 88R LBEQ is identical in design and performance to the EQ section found in the 88RS console, delivering the same professional sound quality expected from a world-class Neve system.

Sound Sculpting EQ

The 88R LBEQ provides four bands of equalisation covering the full frequency spectrum. The EQ offers a wide gain range and flexible, overlapping band interaction, allowing both subtle enhancement and more assertive tonal shaping. Its intuitive control layout supports efficient workflow during tracking, mixing, and production.

Legendary Character

The 88R LBEQ delivers a refined and controlled sonic character that has become synonymous with Neve consoles. It provides a polished, mix-ready sound while retaining musicality and depth, making it suitable for a wide range of sources and production styles.

500-series Design

The 88R LBEQ brings the equalisation section of the Neve 88R console into a compact single-slot 500-series module. Designed for use in any compatible 500-series chassis, it offers true console EQ performance in a flexible, modular format.



The 88R LBEQ, delivered in premium packaging, contains the following-

- **88R LBEQ 500-Series unit**
- **Neve Outboard Product Brochure**
- **Quick Start Guide QR Link**
- **Neve Sticker**

Installation Instructions

- Remove the 88R LBEQ module from all packaging.
- Switch off the 500-series enclosure and remove mains power.
- Locate an empty slot in the 500-series enclosure and remove the 2 fastening screws, one from the top of the enclosure and one from the bottom of the enclosure.
- Carefully insert the 88R LBEQ module into the empty slot in the 500-series enclosure, ensuring the rear edge connector on the 88R LBEQ module mates correctly with the edge connector of the 500-series enclosure.
- Replace the two fastening screws through the top & bottom holes in the 88R LBEQ module and screw into the 500-series enclosure to secure the module into the enclosure.
- Apply mains power into the 500-series enclosure and switch on.

Note: The module is not designed to be hot-plugged, so please ensure the power to the 500-series enclosure is OFF before inserting or removing a module.

Audio Connections

The 88R LBEQ module is designed to be compliant with a standard 500-series enclosure input and output connections (VPR Alliance spec). These connections should be used to connect the 88R LBEQ to your existing studio equipment.



EQ Switch

The EQ switch on the left-hand side activates the unit.

When lit all four bands of the EQ are in circuit.

When un-lit all four bands of EQ are bypassed.

The 88R LBEQ EQ switch acts as a true-bypass circuit, allowing for accurate A/B signal comparisons at the push of a button.



High Frequency Band

HF Gain

The HF Gain control sets the cut or boost for the high frequency band of EQ with a range of +/-20dB.



Pressing the HF Gain control switches the High Frequency EQ band between **Bell** and **Shelving** modes.

The adjacent LED illuminates to indicate when Shelving is selected. When not illuminated, bell curve is selected.



HF kHz

The HF kHz pot is a continuously variable control that sweeps through a frequency range between 1.5kHz and 18kHz.



HF Q Bandwidth

When the HF EQ band is set to **Bell**, pressing the HF kHz control switches the bandwidth from Low to High Q.

The **Hi-Q** LED lights up to indicate the selection of High Q.

Bell curve Low Q is 0.7 and High Q is 1.8.



Resonant/Standard Shelving Modes

When the HF EQ band is set to **Shelving** mode, pressing the **HF kHz** control switches between Standard shelving mode and Resonant shelving mode.

The **Hi-Q** and **shelving** LEDs will light up to indicate the selection of Resonant shelving.

In Standard mode the selected frequency will be the +/- 3dB point.

In Resonant mode, when boosting, a slight extra lift occurs in frequencies around the selected frequency, when cutting a slight extra dip occurs around the selected frequency.

This has the effect of emphasising the selected frequency.

High Mid Frequency Band



HMF Gain

The High Mid Gain control sets the cut or boost for the high mid EQ frequency band with a range of +/-20dB.



HMF kHz

The HMF kHz pot is a continuously variable control that sets the high mid frequency between 800Hz and 9kHz.



HMF Q

The High Mid Q control adjusts the Q continuously variable between 0.3 and 7.



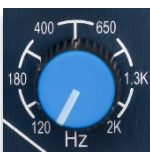
High-Mid Band EQ Curves

Low Mid Frequency Band



LMF Gain

The Lo Mid Gain control sets the cut or boost for the low mid EQ frequency band with a range of +/-20dB.



LMF Hz

The LMF Hz pot is a continuously variable control that sets the low mid frequency between 120Hz and 2kHz.



LMF Q

The Low Mid Q control adjusts the Q continuously variable between 0.3 and 7.



Low Frequency Band



LF Gain

The LF Gain control sets the cut or boost for the low frequency EQ band with a range of $\pm 20\text{dB}$.



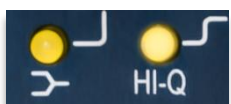
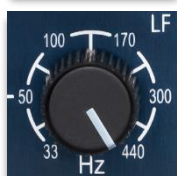
Pressing the LF Gain control switches the low frequency EQ band between **Bell** and **Shelving** modes.

The adjacent LED will light up to indicate when Shelving is selected. When not illuminated, bell curve is selected.



LF Hz

The LF Hz pot is a continuously variable control that sets the low frequency between 33Hz and 440Hz.



When the LF EQ band is set to **Bell**, pressing the **LF Hz** control switches the band between Low and High Q.

The **Hi-Q** LED illuminates to indicate the selection of High Q. Bell curve Low Q is 0.7 and High Q is 1.8.



When the LF EQ band is set to Shelving mode, pressing the **LF Hz** control switches between Standard shelving mode and Resonant shelving mode.

The **Hi-Q** and **shelving** LEDs will light up to indicate the selection of Resonant shelving.

In Standard mode the selected frequency will be the $\pm 3\text{dB}$ point.

In Resonant mode, when boosting, a slight extra lift occurs in frequencies around the selected frequency, when cutting a slight extra dip occurs around the selected frequency.

This has the effect of emphasising the selected frequency.



Dimensions

Height	132mm / 5 ¼ inches
Width	38mm / 1 ½ inches
Depth	145mm / 5 ¾ inches
Weight	0.57Kg / 1.26Lbs



Audio Specification

General Specifications	
Headroom	Nominally: 27.2dBu @ 1kHz (0.1% THD) Better than: >+26dBu @ 1kHz (0.1% THD)
Distortion (THD+N)	Nominally: 0.004% @ 1kHz (measured at +10dBu, 20Hz to 40kHz filter) Better Than: 0.006% @ 1kHz (measured at +10dBu, 20Hz to 40kHz filter)
General Noise	Nominally: -88dBu (<-117dBu Bypassed) Better Than: -80dBu (20-20kHz filter) (All controls centre)
Frequency Response 20Hz to 20kHz	Nominally: +/- 0.3dB Better than: +/- 0.1dB
Dynamic Range	~107dB
Input Impedance	≈24kΩ
Output Impedance	≈50Ω
Power Specifications	
Nominal	~145mA



Dimensions

Hauteur	132mm / 5 ¼ inches
Largeur	38mm / 1 ½ inches
Profondeur	145mm / 5 ¾ inches
Poids	0.5Kg / 1.1Lbs



Spécification audio

Spécifications Générales	
Marge de sécurité	Nominalement: 27,2 dBu @ 1 kHz (0,1 % THD) Mieux que: >+26 dBu
Distortion (THD+N)	Nominalement: 0,004 % @ 1 kHz (mesuré à +10 dBu, filtre de 20 Hz à 40 kHz) Mieux que: 0,006 %
Bruit général	Nominalement -88 dBu (<-117 dBu contourné) Mieux que: -80dBu
Réponse de fréquence 20Hz à 20kHz	Nominalement: +/- 0,3 dB Mieux que: +/- 0,1 dB
Plage Dynamique	~107dB
Impédance d'entrée	≈24kΩ
Output Impedance	≈50Ω
Mesure Entrée/Sortie	
Nominal	~145mA

