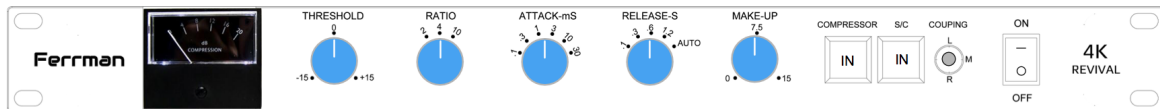


# Ferrman



## REVIVAL 4K

## Owner's Manual



## Important Safety Instructions



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in this manual.



The lightning flash with arrowhead symbol within an equilateral triangle is intended to alert the user to the presence of uninsulated “dangerous” voltage within the product’s enclosure that may be of sufficient magnitude to constitute a risk of electric shock to humans.



**CAUTION:** TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE THE COVER. NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED PERSONNEL.



**CAUTION:** To reduce the risk of electric shock, do not expose this appliance to rain and moisture. The apparatus shall not be exposed to dripping or splashing liquids and no object filled with liquids, such as vases, shall be placed on the apparatus.



**CAUTION:** These service instructions are for use by qualified service personnel only. To reduce the risk of electric shock, do not perform any servicing other than that contained in the operation instructions. Repairs must be performed by qualified service personnel.

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Clean only with dry a cloth.
7. Do not block any ventilation openings. Install in accordance with the manufacturer’s instructions.
8. Do not install near any heat sources, such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.

9. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades, with one wider than the other. A grounding-type plug has two blades and a third grounding prong. The wide blade and the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. Protect the power cord from being walked on or pinched, particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11. Use only attachments/accessories specified by PreSonus.
12. Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer or sold with this apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
13. Unplug this apparatus during lightning storms or when unused for long periods of time.
14. Servicing is required when the apparatus has been damaged in any way, such as if a power-supply cord or plug is damaged; or liquid has been spilled, or objects have fallen, into the apparatus; or if the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped. All PreSonus products in the USA should be serviced at the PreSonus factory in Baton Rouge, Louisiana. If your product requires a repair, return-authorization number. Customers outside the USA should contact their local distributor. Your distributor’s contact information
15. The apparatus shall be connected to a Mains power outlet with a protective grounding/earthing connection.
16. Where the Mains plug or an appliance coupler is used as the disconnect device, the disconnect device shall remain readily operable.



# Important Safety Instructions

## EU Directives on the Protection of the Environment and Other Euro Stuff

**RoHS** This product is compliant with the EU Directive 2011/65/EU for the Restriction of the use of Certain Hazardous Substances in Electrical and Electronic Equipment. No lead (Pb), cadmium (Cd), mercury (Hg), hexavalent chromium (Cr+6), PBB or PBDE is intentionally added to this device. Any traces of impurities of these substances contained in the parts are below the RoHS specified threshold levels.

**REACH** This product is compliant with the European Union Directive EC1907/2006 for the Registration, Evaluation, Authorization, and Restriction of chemicals (REACH) and contains none or less than 0.1% of the chemicals listed as hazardous chemicals in the REACH regulation.

### SPL Warning:

Exposure to extremely high noise levels may cause permanent hearing loss. Individuals vary considerably in susceptibility to noise-induced hearing loss but nearly everyone will lose some hearing if exposed to sufficiently intense noise for a period of time. The U.S. Government's Occupational Safety and Health Administration (OSHA) has specified the permissible noise level exposures shown in the following chart. According to OSHA, any exposure in excess of these permissible

**WEEE** This symbol on the product or its packaging indicates that this product must not be disposed of with other waste. Instead, it is your responsibility to dispose of your waste equipment by handing it over to a designated collection point for the recycling of waste electrical and electronic equipment. The separate collection and recycling of your waste equipment at the time of disposal will help conserve natural resources and ensure that it is recycled in a manner that protects human health and the environment. For more information about where you can drop off your waste equipment for recycling, please contact your local city recycling office or the dealer from whom you purchased the product.



**CE** This product complies with the European Union Council Directives and Standards relating to electromagnetic compatibility EMC Directive (2006/95/EC) and the Low Voltage Directive (2004/108/EC).

limits could result in some hearing loss. To ensure against potentially dangerous exposure to high sound-pressure levels, it is recommended that all persons exposed to equipment capable of producing high sound-pressure levels use hearing protectors while the equipment is in operation. Earplugs or protectors in the ear canals or over the ears must be worn when operating the equipment in order to prevent permanent hearing loss if exposure is in excess of the limits set forth here:

Duration per Day in Hours	Sound Level, dBA, Slow Response	Typical Example
8	90	Duo in small club
6	92	
4	95	Subway train
3	97	
2	100	Very loud classical music
1.5	102	
1	105	
0.5	110	
0.25 or less	115	Loudest parts of a rock concert



## About US



Thank you for purchasing this **Ferrman Pro** audio product.

The **Ferrman studio** consists of two experienced audio engineers. They are come from Beijing of China. Since working for many years, they have accumulated a wealth of digital analog audio experience. Due to interest, two people set up their own audio studio in 2017. They design and produce audio equipment, including micpre、compressor、equalizer、mixer etc..

The **Revival-4K** using high grade components to ensure optimum performance that will last a lifetime.

## Overview

The **Revival-4K** is a stereo master compressor. The mix-buss compressor design from the G-series consoles has been brought up to date using SSL's latest Superaudio analogue circuitry. The unit is housed in a 1U rackmount case which extends 325mm behind the rack ears. Two pairs of XLRs on the rear panel supply balanced stereo line I/O, and a further female XLR offers an external key input. A recessed switch isolates signal and chassis earths if necessary, and the IEC mains inlet incorporates a fuse holder which can configure the operating voltage for different regions. Construction is to exceptionally high standards, with very neat and safe wiring.

The classic functional styling of the front panel makes it easy and quick to use, with simple controls providing all the essential parameters, and a traditional moving-coil gain-reduction meter indicating up to 20dB of attenuation. The first of the six rotary controls adjusts the threshold continuously from -15dBu to +15dBu. The next three are rotary switches, providing attack times of 0.1, 0.3, 1, 3, 10, or 30ms; ratios of 2:1, 4:1, or 10:1; and release times of 0.1, 0.3, 0.6, or 1.2s, or an automatic release mode. The continuously variable Make-up knob spans 0dB to +15dB, and large illuminated buttons activate the compressor circuitry, the external side-chain key input, and the VCA coupling function can be control VCA control signal from left right or mono.

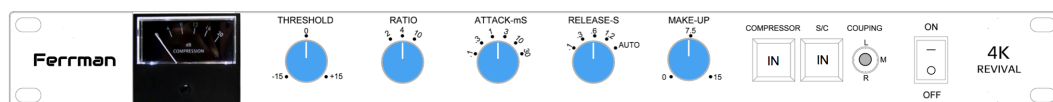


## Summary of Features

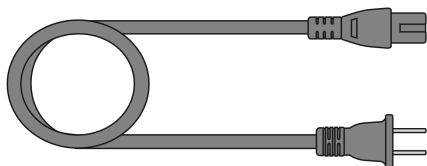
- Use G-series mixer console super analogue circuitry
- Attack Time with 5 Step control: 0.1、0.3、1、10、30mS
- Release Time with 5 Step control: 0.1、0.3、0.6、1.25、AUTO
- Compressor ratio with 3 Step control: 2: 1、4:1、10: 1
- Build in 2 group THAT2180 VCA control IC
- VCA coupling control function can switch with: L、R、L+R
- SIFAM original DB Compressor meter
- Really stereo side-chain control
- True bypass function when device power-off
- 1U SSL style front panel

## What's in the box

Your **Ferrman** package contains the following:



**The Revival 4K hardware**



**Power Cable**

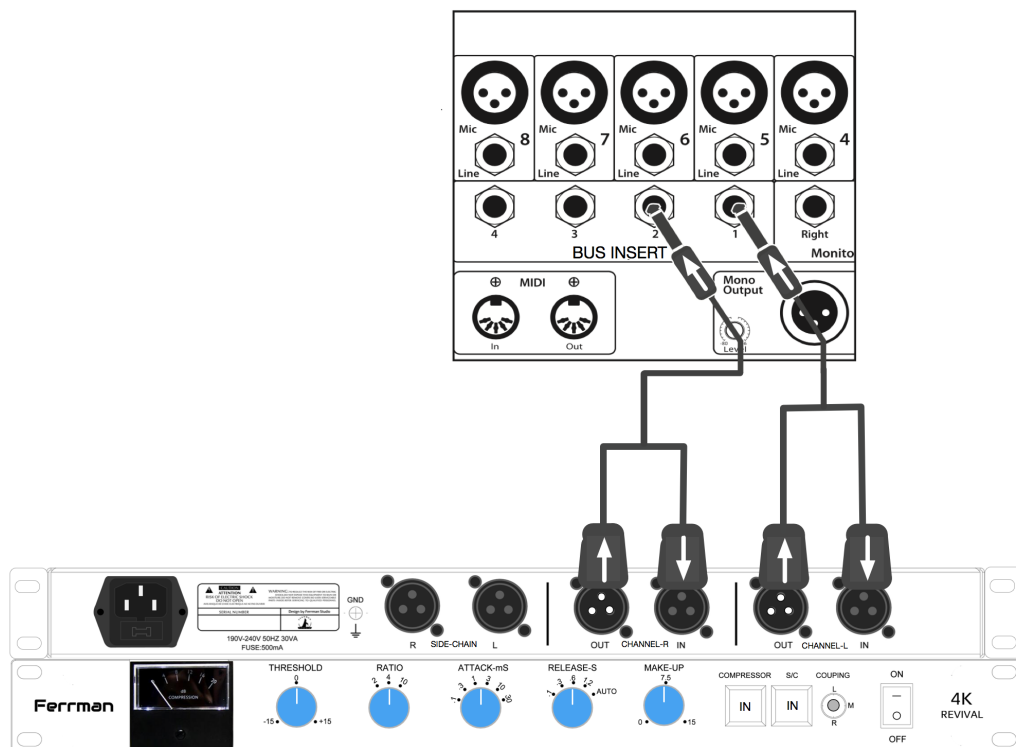


**Owner's Manual**

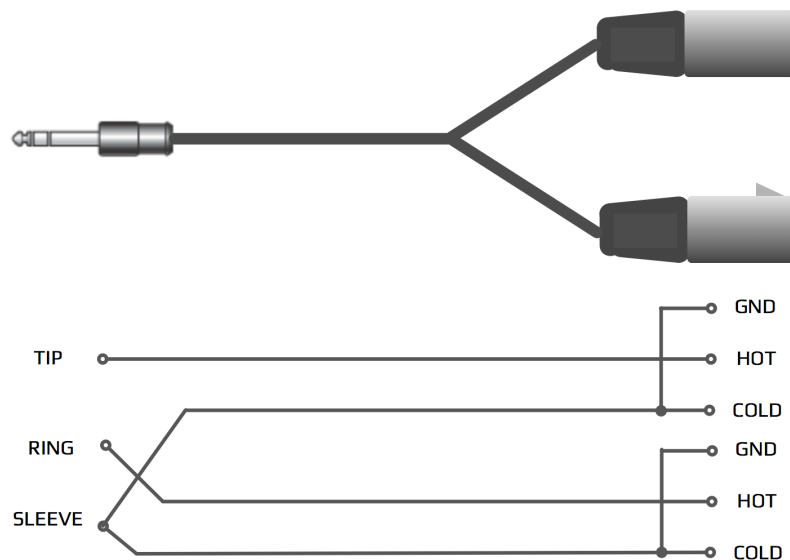


## Quick setup guide

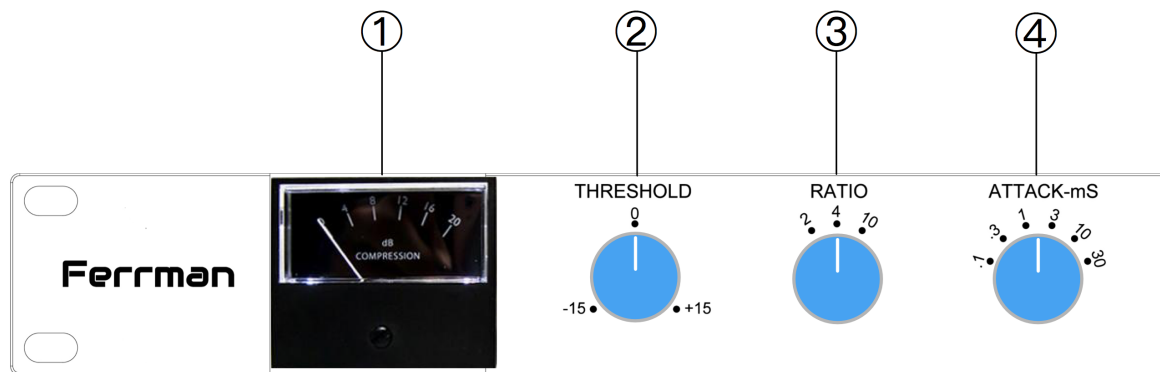
Using Revival 4K device in to the analog console.



A typical wiring “Y” lead cable



## Hardware introduction

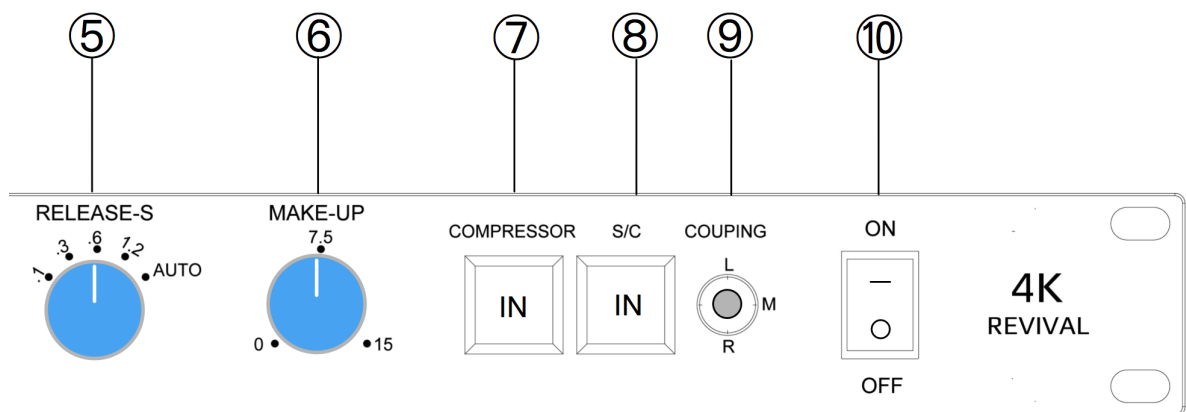


①**COMPRESSOR METER:**Compressor reduction level indication.

②**THRESHOLD:** Gain reduction threshold control.Threshold sets the operating level for the knee of the compressor. Threshold is continuously adjustable from -15 dB to +15 dB.

③**RATIO:**Compressor ratio control.Ratio sets the ratio of signal level to signal gain, i.e., the compression ratio. Ratio can be switched between 2:1, 4:1 and 10:1.

④**Attack-mS:** Attack controls the quickness of the compressor's response to



⑤**Release-S:**The Release time of the master compressor is switchable between 0.1,0.3,0.6and 1.2 seconds, or to automatic. If Auto is selected, the release time is dependent upon the duration of the program peak.

⑥**MAKE-UP:**Make up Gain compensates for change in signal level due to compressor activity. Make up is continuously variable from 0 dB to +15 dB.

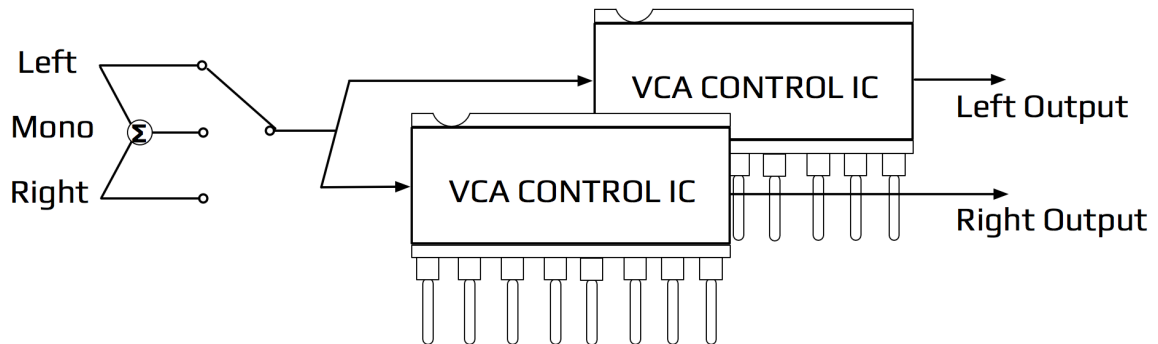
⑦**COMPRESSOR:**In serves as a bypass button. When In is selected, the compressor is active. When deselected, the compressor is in bypass.



## Hardware introduction

⑧**S/C**: Master bus compressor and to control its sidechain from an external signal.

⑨**COUPLING**: The Coupling control connects VCA IC control signals from left input 、 right input or mono input.



VCA coupling control signal diagram



## Device Specification

### Device

Connector Type	XLR,balance
THD+N	0.02 %@1kHz,unity gain
Max Input Level	23.5 dBu,<0.1% THD+N@ 1kHz,unity gain
Max output Level	23.5 dBu,<0.1% THD+N@ 1kHz,unity gain
Frequency Response	20Hz - 20kHz,±0.02 dB
Singal Noise Ratio	90 dB@+4 dBu,unity gain
Cross Talk	100 dB@+4 dBu,unity gain
Dynamic range	> 118 dB@+23.5 dBu,unity gain
Balance input&output impedance	600 Ohm

### Power:

Connector Type	AC 190V - 240V
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## Troubleshooting

1. Make sure your and all equipment connected to it are powered on.
2. Disconnect/reconnect your power supply.
3. Check your connection cables and audio sources.
4. Isolate the problem by disconnecting any extraneous equipment in your signal chain.

