







ReoPreComp

Compressor/Limiter with mic/line preamp build-in



<div style="text-align: center;">  <div style="background-color: black; color: white; padding: 2px; font-weight: bold; margin: 5px 0;">CAUTION</div>  </div> <p style="text-align: center; font-size: small;"> RISK OF ELECTRIC SHOCK DO NOT OPEN RISQUE DE CHOC ELECTRIQUE NE PAS OUVRIR </p> <p style="text-align: center; font-size: x-small;"> CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK DO NOT REMOVE COVER (OR BACK) NO USER-SERVICEABLE PARTS INSIDE REFER SERVICING TO QUALIFIED PERSONNEL </p> <p style="text-align: center; font-size: x-small;"> ATTENTION: POUR EVITER LES RISQUES DE CHOC ELECTRIQUE: NE PAS ENLEVER LE COUVERCLE. AUCUN ENTRETIEN DE PIECES INTERIEURES PAR L'USAGER. CONFIER L'ENTRETIEN AU PERSONNEL QUALIFIE. AVIS: POUR EVITER LES RISQUES D'INCENDIE OU D'ELECTROCUTION, N'EXPOSEZ PAS CET ARTICLE A LA PLUIE OU A L'HUMIDITE </p>	<div style="display: flex; flex-direction: column; align-items: center;">   </div> <p style="font-size: x-small;"> 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 electric shock to persons. Le symbol clair avec point de flèche à l'intérieur d'un triangle équilatéral est utilisé pour avertir l'utilisateur de la présence d'intérieur du coffret de voltage dangereux non isolé d'ampleur suffisante. </p> <p style="font-size: x-small;"> exclamation point within an equilateral triangle is intended to alert the user of the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance. Le point d'exclamation à l'intérieur d'un triangle équilatéral est employé pour avertir les utilisateurs de la présence d'instructions importantes pour le fonctionnement et l'entretien (service) dans le livret d'instruction accompagnant l'appareil. </p>
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Important Safety Instructions

1. Read this manual thoroughly before using this unit.
2. Keep this manual for future reference.
3. Take notice of and comply with all warnings included in the user's manual or indicated on the appliance.
4. Follow all instructions included in this manual.
5. Do not expose this unit to rain or moisture. Avoid having water or other liquids spilled on this unit.
6. When cleaning the cabinet or other parts of this appliance, use only a dry or slightly damp soft cloth.
7. Do not block any ventilation openings or interfere with the proper ventilation of this unit. Install in accordance with the manufacturer's instructions.
8. Do not use or store near any heat sources such as radiators, heat registers, stoves, or other heat-producing appliances.
9. Do not interfere with 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. These are designated for your safety. If the provided plug does not fit into your outlet, consult an electrician.
10. Protect the power cord from being walked on or otherwise damaged by items placed on or against them. Particular attention should be given to the plugs, receptacles, and the point where the cord exits the appliance.
11. To avoid the risk of electrical shock, do not touch any exposed wiring while the unit is in operation.
12. Only use attachments/accessories specified by the manufacturer.
13. Unplug this unit and all connected electrical equipment during lightning storms or when left unused a long period of time.
14. Refer all servicing to qualified service personnel. Servicing is required when the appliance has been damaged in any way or fails to operate normally.

WARNING: To reduce the risk of fire or electric shock, do not expose this unit to rain or moisture

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Introductions

Thank you for purchasing the ICON ProAudio ReoPreComp digital audio Interface. We sincerely trust this product will provide years of satisfactory service, but if anything is not to your complete satisfaction, we will endeavor to make things right.

In these pages, you'll find a detailed description of the features of the ReoPreComp digital audio interface, as well as a guided tour through its front and rear panels, step-by-step instructions for their setup and use, and full specifications.

Please register the product on our website at the below link
[www. iconproaudio.com/registration](http://www.iconproaudio.com/registration):

Please follow the step by step procedures. Start by inputting the device's serial number as well as your personal information, etc. By registering your product online, you will be entitled to service and after-sales support at our Help Center by visiting our website at **www.iconproaudio.com**. Also, all the registered products under your account will be listed on your personal product page where you will find updated information such as firmware/driver upgrades, software bundles, user manual downloads, etc. for your device.

As with most electronic devices, we strongly recommend you retain the original packaging. In the unlikely event the product must be returned for servicing, the original packaging (or reasonable equivalent) is required.

With proper care and adequate air circulation, your ReoPreComp digital audio interface will operate without any trouble for many years. We recommend that you record your serial number in the space provided below for future reference.

What's in the package?

- ReoPreComp Compressor/Limiter

Register your ICON ProAudio product to your personal account

1. Check serial number of your device

Please go to [http:// iconproaudio.com/registration](http://iconproaudio.com/registration) or scan the QR code below.



Input your device's serial number and the other information on the screen. Click "Submit".

A message will pop up showing your device information such as model name and its serial number - Click "Register this device to my account" or if you see any other message, please contact our after-sales service team

2. Log in to your personal account page for existing user or sign up for new user

Existing user: Please log into your personal user page by inputting your user name and password.

New user: Please click "Sign Up" and fill in all the information.

3. Download all useful materials

All your registered devices under your account will show on the page. Each product will be listed along with all its available files such as drivers, firmware, user manual in different languages and bundled software etc. for download. Please make sure you have downloaded the necessary files such as driver before you begin device installation.

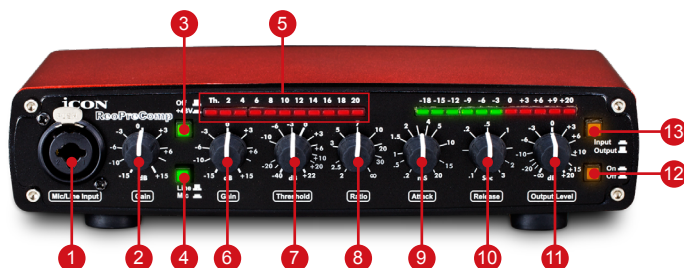
Features

ReoPreComp



- Goof proof operation to smooth uneven levels or tighten up mixes
- New gate timing algorithms ensure the smoothest release characteristics
- Great sounding dynamics control for any type of program material
- Precision LED displays for gain reduction to allow quick, accurate setup
- Balanced Mic/Line input on hybrid connector with individual gain control
- Built in ICON unique innovative microphone preamp.
- Balanced outputs on 1/4", XLR and 3-pin connector.
- TRS insert detector patch point is equipped for ducking input or in conjunction with an equalizer to produce frequency-sensitive limiting.

Front Panel Layout



1. Mic/Line input hybrid connector

Balanced Mic and line level input. This hybrid connector will accept a standard 3-pin XLR plug or a 1/4" TS connector.

2. Input gain level control

This potentiometer controls the input level of the analog Mic/Line input.

3. 48V phantom power switch

Press to supply +48V phantom power to the XLR input. This phantom power circuit is suitable for most condenser microphones.

4. Mic/Line switch

Switch for the line level or mic level input on the hybrid connector.

5. Gain reduction LED display

As soon as the threshold level is reached, the yellow LED illuminates. Depending on how far the input level rises above threshold, successive red LED's will illuminate, indicating gain reduction. Gain Reduction can best be described as the difference between input level and the resulting change to output level. For signals below threshold, there will of course be no gain reduction, that is, a 10dB increase in input will yield a 10dB increase in output. For signals above threshold however, output level will increase only to the extent that the ratio control allows. With a high ratio, say 20 or so, it will take 20dB of increased input level to increase output level by 1dB. With a gentler ratio of 3:1, input signals above threshold will be "gain-reduced" at the output by 1/3. In other words, with threshold set at 0dB, a signal peak at +12 dBV that is 3:1 compressed (ratio at 3) will produce only +4 dB (12,3) at the output, and 8 dB of gain reduction has occurred (12 dBV input minus 4 dBV output=8 dB reduction.)

6. Gain control knob

The Gain control is used to adjust incoming signal level to the VCA circuit. It is always active, so switching out the limiter function has no effect on this control. Used in conjunction with the Input/Output Level Meter Display, this control is useful for setting up optimal system levels. This control should normally be left at "0" to achieve accurate Threshold calibration.

7. Threshold control knob

The Threshold control has a range of -40dB to +22 dB, allowing applications from low level compression to high level limiting. The Threshold control determines the audio level above which Gain Reduction occurs. When the Threshold LED comes on, that means that Gain Reduction is beginning to occur, due to input signal peaks exceeding the selected threshold in dB.

8. Ratio control knob

This control determines the ratio of change in output level to changes in input level for all signals above threshold. The numbers printed around the Ratio control are calibrated in db and indicate the increase in input (above threshold) required to produce a 1db increase in output. This can be expressed conveniently as a ratio. If the output remains constant no matter how high the input level, we have an infinite (∞) input/output ratio. It should be remembered that the Ratio control has no effect on signals which are below threshold. There is a common but incorrect notion that limiting always implies the use of an infinite ratio. Although there are times when an infinite ratio is desirable, there will be situations where infinite, or "hard", limiting action is neither appropriate nor necessary. In fact, it should be noted that an infinite ratio setting is likely to cause noticeable side effects in the sound, and may not be usable on programs where subtle control is desired.

9. Attack time control knob

The response of the compressor/limiter to signal levels above threshold is further defined by the Attack Time control. Attack time is the amount of time that the unit takes to attenuate the output level after threshold has been reached. For very fast transients, such as hand claps, snare drums, or other percussive sounds, a fast attack time is usually desirable so that the limiter can respond in time to control the peak level. On other types of program material, a slower attack time may be preferred. A too-fast attack may, on some material, "square off" the top of a waveform, producing a distorted sound. This unit provides continuously variable attack times from 200 microseconds to 20 milliseconds.

10. Release time control knob

Another parameter which affects compressor/limiter performance is Release time, or the time required to restore system gain to normal after the input signal has fallen below threshold level. Again, proper release time will depend on the type of program material being processed and the way in which the limiter is being used. When subtle limiting is desired, slow release times are often chosen to avoid condition referred to as “pumping” or “breathing”. This occurs when overall gain is modulated up and down by repeated peaks which are followed by quieter intervals. If the release time is set too fast, then the overall level will jump up and down, producing an objectionable and unsettling effect. Note that, in some cases, an individual track or channel which seems to be pumping may sound acceptable when heard in context of a complete mix.

11. Output level control knob

Output Level control is provided to fully cut or restore up to 18 dB of system gain. For unity gain, set the control to 0.

NOTE: When the unit is in the BYPASS mode the Output control still functions.

12. On/Off switch

This switch enables you to quickly hear the ReoPreComp compressor/limiter in or out of the audio chain. When the switch is in the OUT position, all limiting and compression controls and functions are bypassed, with the exception of the Gain and Output controls, which continue to function as straightforward level controls.

13. Input/Output switch

This switch allows for Gain Reduction on a stereo signal with no degradation of the stereo image. When pressed in, the Stereo Tie Switch combines each channel's internal detector outputs so that the channel with the loudest signal will determine the action applied to both channels. Leave this switch out for normal operation.

Rear Panel Layout



1. Output jacks

3 different type of output jacks including XLR, 1/4" and 3-pin connector are provided on ReoPreComp.

2. Detector connector

The ReoPreComp Compressor/Limiters have a TRS Insert DETECTOR PATCH point which can be used as a "ducking" input, or in conjunction with an equalizer to produce frequency-sensitive limiting.

3. Power supply connector

Connect a ICON 12VDC power supply adapter to this jack.

4. Power switch

Switch to turn on the power of ReoPreComp.

Setting up your ReoPreComp

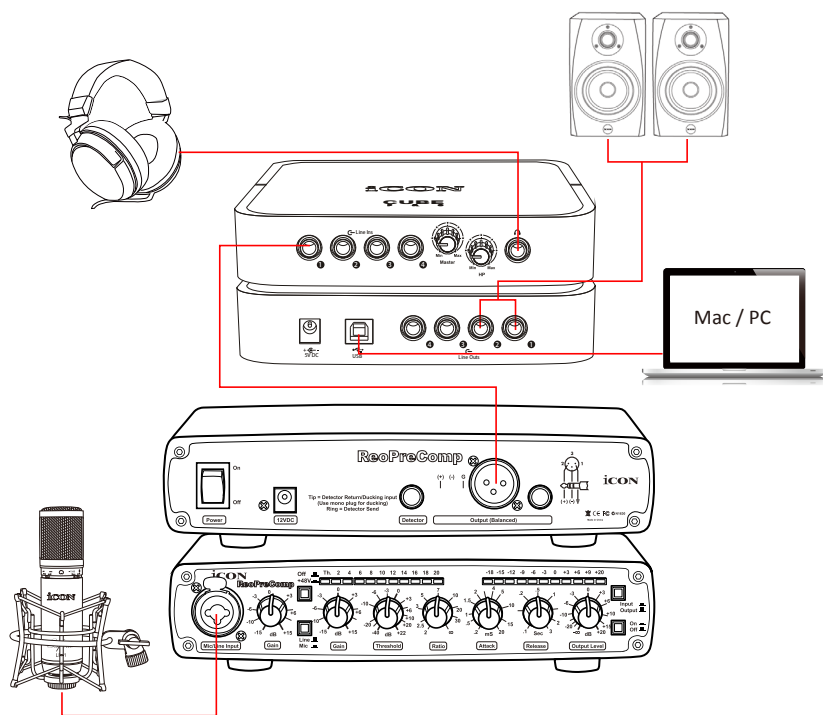
The ReoPreComp can be used with any condenser or dynamic microphone or any line level device such as mixing consoles, electronic musical instruments, patch bays, and signal processors etc..

1. Get Started

Turn off all your gears in your sound system before make any audio connection

2. Make audio Connections via XLR or 1/4" phone jacks

Make the audio connection as the below diagram shown.



3. Power up your ReoPreComp

Connect the provided power adapter to ReoPreComp's power connector and switch on its power.

Specifications

Gain:	±15dB
Ratio:	2:1 to ∞
Attack Time:.....	200mS-20mS
Release Time:.....	100mS-3Sec
Output:.....	-∞ to +18dB
Maximum Input Level:	+23dBu
Maximum Output Level:.....	+23dBu
Input Impedance:.....	20KW balanced
Output Impedance:	200W Quasi-Balanced
Frequency Response:	±0.2dB 20Hz-20KHz
Distortion:	<.01% THD, 0dBu, 1KHz
.....	<0.15% THD, +15dBu,
.....	20Hz-20KHz
Output Hum and Noise:	<-96dBu
Power Requirements:.....	1VDC/1A
Dimensions (WxHxD):	(224x48x132)mm
.....	8.8"x1.9"x5.2"
Weight:	0.8Kg (1.8LB)

Service

If your ReoPreComp needs servicing, follow these instructions.

Check our online help centre at <http://support.iconproaudio.com/hc/en-us>, for information, knowledge, and downloads such as:

1. FAQ
2. Download
3. Learn More
4. Forum

Very often you will find solutions on these pages. If you don't find a solution, create a support ticket at our online ACS (Auto Customer Support) at the below link, and our technical support team will assist you as soon as we can.

Navigate to <http://support.iconproaudio.com/hc/en-us> and then sign in to submit a ticket or click "Submit a ticket" without the need to sign in.

As soon as you have submitted an enquiry ticket, our supporting team will assist you to resolve the problem with your ICON ProAudio device as soon as possible.

To send defective products for service:

1. Ensure the problem is not related to operation error or external system devices.
2. Keep this owner's manual. We don't need it to repair the unit.
3. Pack the unit in its original packaging including end card and box. This is very important. If you have lost the packaging, please make sure you have packed the unit properly. ICON is not responsible for any damage that occurs due to non-factory packing.
4. Ship to the ICON tech support center or the local return authorization. See our service centres and distributor service points at the link below:

If you are located in US

Send the product to:

North America

Mixware, LLC – U.S. Distributor

11070 Fleetwood Street – Unit F.

Sun Valley, CA 91352; USA

Tel.: (818) 578 4030

Contact: www.mixware.net/help

If you are located in Europe

Send the product to:

Sound Service

GmbH European

Headquarter Moriz-Seeler-Straße

3D-12489 Berlin

Telephone: +49 (0)30 707 130-0

Fax: +49 (0)30 707 130-189

E-Mail: info@sound-service.eu

If you are located in Hong Kong

Send the product to:

ASIA OFFICE:

Unit F, 15/F., Fu Cheung Centre,

No. 5-7 Wong Chuk Yueng Street,

Fotan,

Sha Tin, N.T., Hong Kong.

5. For additional update information please visit our website at:

www.iconproaudio.com



天猫官方旗舰店



天猫店iconproaudio旗舰店

抖音号



抖音iCON艾肯

哔哩哔哩



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微信公众号



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官方售后QQ



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Dashboard



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