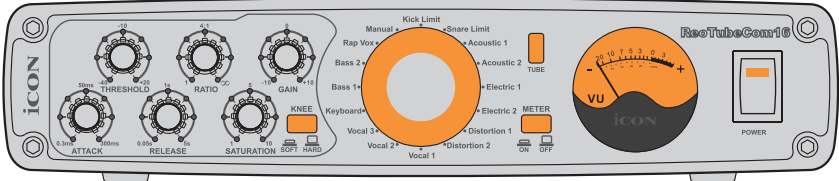
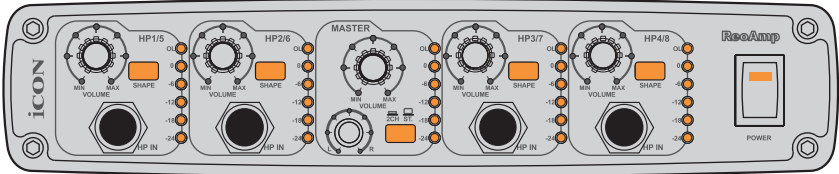
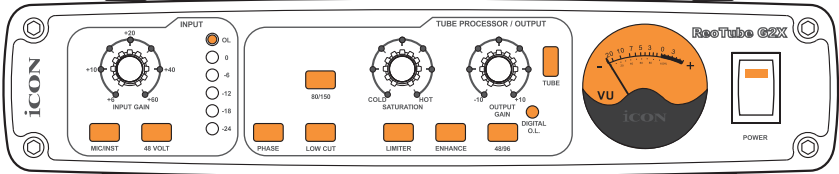
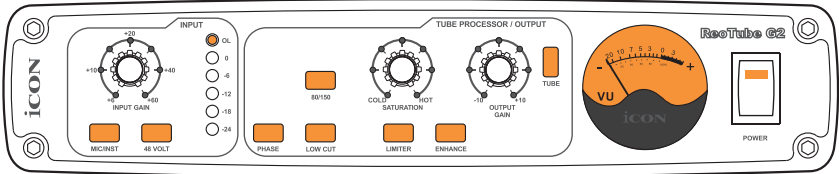
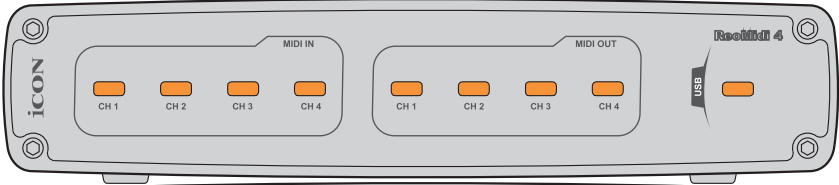




# ReoTube G2/G2X

ReoTubeG2X TUBE MICROPHONE PRE-AMPLIFIER  
with DIGITAL OUTPUT





ReoTubeG2 TUBE MICROPHONE PRE-AMPLIFIER



Owner's Manual



EN16549

<div style="display: flex; justify-content: space-between; align-items: center;">  <div style="text-align: center;"> <p><b>CAUTION</b></p> <p>RISK OF ELECTRIC SHOCK DO NOT OPEN RISQUE DE CHOC ELECTRIQUE NE PAS OUVRIR</p> </div>  </div> <p style="text-align: center;">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;">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.</p> <p style="text-align: center;">AVIS: POUR EVITER LES RISQUES D'INCENDIE OU D'ELECTROCUTION, N'EXPOSEZ PAS CET ARTICLE ALA PLUIE OU L'HUMIDITE.</p>	   <p>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 symbole clair avec point de flèche à l'intérieur d'un triangle équilatéral est utilisé pour alerter l'utilisateur de la présence à l'intérieur du coffret de voltage dangereux non isolé d'ampleur suffisante.</p> <p>The 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 alerter 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 all manufacturer's warnings and instructions
2. Do not use this apparatus near water.
3. Clean only with dry cloth.
4. Do not block any ventilation openings and do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
5. Do not defeat the safety function 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 or the third prong is provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
6. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
7. Only use attachments/accessories specified by the manufacturer.
8. Unplug this apparatus during lightning storms or when unused for long periods of time.
9. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, 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 unit to rain or moisture**

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## **Introduction**

Thank you for purchasing the ICON ReoTubeG2/G2X Microphone Pre-Amplifier. 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 ReoTubeG2/G2X, step-by-step instructions for its 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):

You'll also find a warranty card enclosed---please don't forget to fill it out and mail it so that you can receive online technical support at: [www.iconproaudio.com](http://www.iconproaudio.com). And so we can send you updated information about these and other ICON products in the future. 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 , your ReoTubeG2/G2X 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?**

- ReoTubeG2 or G2X Microphone Pre-Amplifier
- Users' Manual
- 18VAC Power Supply



## ***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.

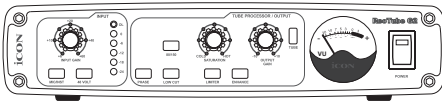
New user: Please click "Sign Up" and fill in all the information.

### **3. Download all useful materials**

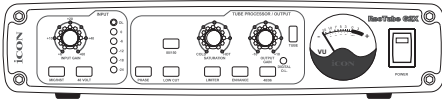
All your registered devices under your account will show on the page. Each product will be listed along with all its available files such as drivers, firmware, user manual in different languages and bundled software etc. for download.

Please make sure you have download the necessary files such as driver before you begin device installation.

# Features



ReoTube G2



ReoTube G2X



ReoTube G2/G2X

The Icon ReoTube G2/G2X microphone and instrument pre-amp uses the latest technology in circuit design. Here are some of its main features:

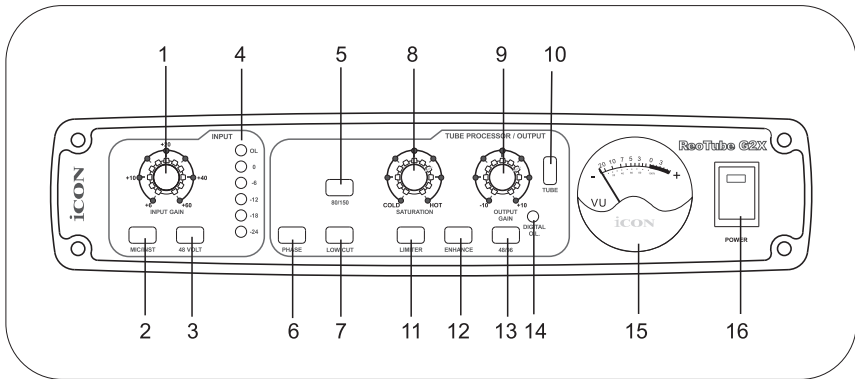
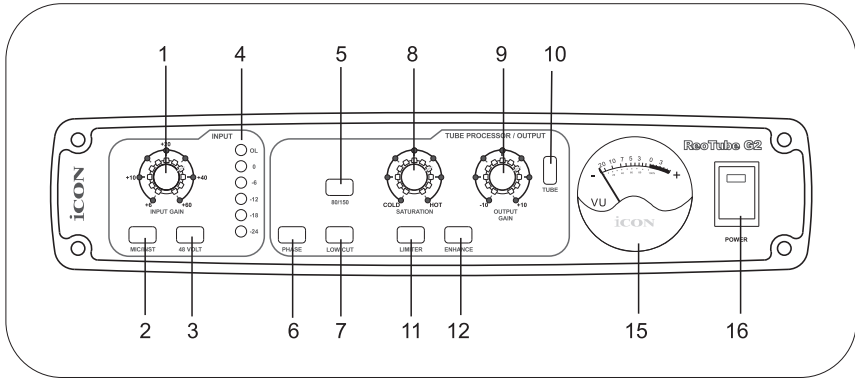
- A high quality microphone or instrument pre-amplifier using discrete transistor and tube gain cells.
- On board limiter for leveling the output is useful in recording and live sound applications.
- The total amount of harmonic overtones or "warmth" can be controlled using the Saturation control.
- An Input Gain control is included to maximize the overall input gain stage, handling levels from microphones or instruments.
- Positive or negative phase can be selected using the Phase switch.
- The addition of an Analog VU meter makes it easy to read the Output Level.
- 48-volt phantom power for powering condenser microphones is available by pressing the LED, backlit, 48-Volt push switch located on the front panel.
- S/PDIF output via an internal, high quality A-to-D (analog-to-digital) converter sends 24-bit digital audio to hard disk recorders via the rear panel RCA connector. (For G2X Only)
- Sample rate selection via the front panel, backlit switch allows 48K or 96K sample rates. (For G2X Only)

## Features

- Six segments LED Input VU meter displays the level after the Gain control.
- Convenient 1/4-inch jacks are included for external signal processing.
- 3-pin XLR connector is used for balanced line output.
- Balanced XLR microphone input and 1/4-inch allow easy hook up of MIC or instruments.
- Oversized, rubber bumpers with tilting feet allow several ICON Reo series units to be stacked and tilted.
- Three-year extended warranty.

# Front Panel Layout

ReoTube G2/G2X



1. **INPUT GAIN**  
Rotary control used to adjust the input level.
2. **MIC/INST SWITCH**  
This switch is used to select the proper input operating level for either a microphone or a line/instrument signal source.
3. **48 VOLT**  
When pressed in, the switch will illuminate red indicating the 48-volt phantom power is on.
4. **INPUT METER**  
Six segment LED VU meter displays the input level after being affected by the Gain control.
5. **80/150 THRESHOLD SWITCH**  
This switch is used to set the EQ cut off point for the Low Cut filter.

## Front Panel Layout

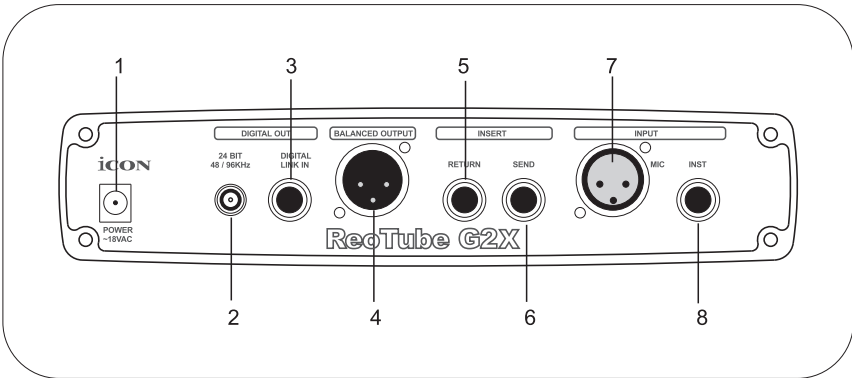
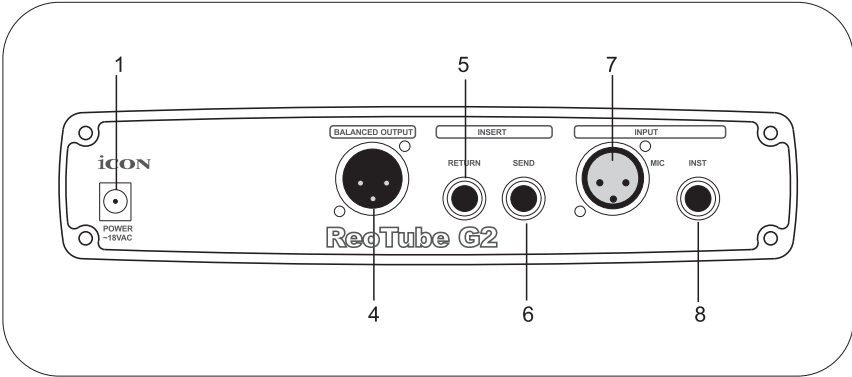
6. PHASE  
LED backlit switch inverts the phase of the MIC or instrument.
7. LOW CUT  
The low cut filter is used to remove unwanted low frequency contained from the source signal.
8. SATURATION  
Rotary control used to adjust the total amount of harmonic overtones generated by the tube circuit.
9. OUTPUT GAIN  
The Output Gain control is active at all times, whether the Program control is set to Manual or Preset modes. Output Gain controls the level at the ReoTube G2/G2X output, and is variable between  $-$  dB (completely muted) and  $+ 15$  dB. Output Gain acts like an output fader, and is useful when recording direct to tape or hard disc through the Reo series. You may find that some digital recorders require a good deal of input level in order to register a 0 dB reading on their meters. This is normal, since many digital recorders are designed to preserve headroom and keep the signal well below the 0 dB clip point to prevent the recorder distorting. The ReoTube G2/G2X provides ample gain to drive digital recorders, but you may find that the Output Gain control has to be set to higher levels.
10. TUBE  
Illuminated indicator that rises in intensity, and when fully lit, signifies the tube circuit is ready for operation.
11. LIMITER  
When engaged, the LED lights indicating the Limiter circuit is activated.
12. ENHACE  
When pressed in, the switch activates the Enhance circuit which helps restore the high frequencies that can be lost when the signal is being protected by the on-board LIMITER.

## **Front Panel Layout**

13. **48/96 SWITCH (For ReoTube G2X Only)**  
The ReoTube G2X has an internal 24-bit A-to-D converter that can be set to either 48 kHz or 96 kHz sampling rates. Be sure to set the digital input on your sound card or digital recorder to the same sample rate. See the specific device's owner's manual to set the sampling rate on your sound card or digital recorder. When the 48/96 switch is set to the in position, the LED will illuminate indicating that the digital sampling rate is set to 96 kHz. When the 48/96 switch is set to the out position (the LED is off), the sample rate is set to 48 kHz.
14. **DIGITAL O.L. (OVERLOAD) (For ReoTube G2X Only)**  
An LED indicator, which illuminated, displays the digital clipping point of the Analog to Digital converter.
15. **VU METER**  
Classic round analog VU meter displays the output level.
16. **POWER SWITCH**  
Heavy-duty rocker switch which, when pressed to the "on" position, lights the internal green LED, indicating the unit is powered up and ready for operation.

# Rear Panel Layout

ReoTube G2/G2X



1. Power (AC JACK)  
Connect the included AC1800 power supply here.
2. 24BIT 48 / 96 (DIGITAL OUT) (For ReoTube G2X Only)  
24-bit S/PDIF Digital Output on an RCA connector.
3. DIGITAL LINK IN (For ReoTube G2X Only)  
1/4-inch input jack for connecting the balanced line output of a second ReoTube G2/G2X so that the two units work as a stereo unit transmitting the left and right signals from a single S/PDIF digital output.
4. BALANCED OUTPUT  
3-Pin XLR connector for balanced, linear level output.

# Rear Panel Layout

- 5. RETURN (INSERT)  
1/4-inch input jack for carrying the return signal of the external processing loop.
- 6. SEND (INSERT)  
1/4-inch input jack for carrying the send signal for the external processing loop.
- 7. MIC INPUT  
3-Pin XLR input connector for connecting microphone level signals.
- 8. INSTRUMENT IN  
1/4-inch input jack for connecting signals from instruments or line level devices.



# Operating the ReoTube G2/G2X

ReoTube G2/G2X

## Setting Up the ReoTube G2/G2X

Setting up your ReoTube G2/G2X tube pre-amp is a simple procedure, and takes only a few minutes:

1. Remove all packing materials (save them in case needed for future service) and decide where the pre-amp is to be physically placed. To avoid potential overheating problems, be sure that there is good ventilation around the entire unit.
2. Plug the provided AC power adapter in the rear AC inlet, but don't plug the power pack into a wall outlet just yet.
3. Set the controls as follows:

INPUT GAIN	6	PHASE	OUT
LOW FREQUENCY	80	LOW CUT	OUT
SATURATION	1	VOCAL EQ	OUT
VOLUME	-10	LIMIT	OUT
MIC/INSTRUMENT	OUT	ENHANCE	OUT
48-VOLT	OUT	48 / 96	48 (OUT)
4. Using a standard XLR microphone cable, connect your microphone to the MIC input located on the rear panel. If you are using an instrument like a guitar or bass guitar, use a standard 1/4-inch cable and connect the instrument to the INST input located on the rear panel. For a detailed wiring guide, see page 16 in this manual.
5. Now, connect the rear panel output to your mixer or recorder.
6. Plug the ReoTube G2/G2X power pack into a wall outlet and switch the unit on by pressing the power switch.
7. If you are using an instrument with your ReoTube G2/G2X, press the MIC/INST switch in to set the ReoTube G2/G2X's input to accept instrument levels. The LED will illuminate. If you are using a microphone skip this step and go on to the next step.
8. The ReoTube G2/G2X features on board 48-volt phantom power supply for connecting condenser microphones.

# Operating the ReoTube G2/G2X

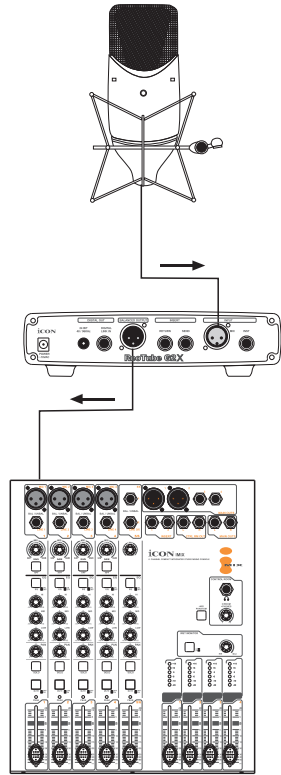
## Setting Up the ReoTube G2/G2X

### IMPORTANT NOTE:

With all phantom power supplies, you can get an annoying POP when you engage the phantom power supply, or when you unplug a cable that has phantom power on it. Depending how loud you are monitoring, this POP can cause damage to your speakers, and even to your hearing. Be sure to turn your speakers, and/or headphone levels, all the way down when switching the phantom supply on and off or plugging and unplugging cables. If you are using a condenser microphone, turn down your monitor speakers and/or headphones, and then press the front panel 48-VOLT switch to engage the phantom power.

9. Now, set a level by playing your instrument or singing into your MIC, and slowly raise the INPUT GAIN control until you see the LED VU meter reach a level of about "0 dB".
10. Be sure that your mixer or recorder's input is enabled and turned up. Now, slowly raise the output VOLUME control until you reach a good level, about "-3 dB", on the analog output VU meter. Then, set a good level on your mixer or recorder.

At this point you should be sending a clean signal to your mixer or recorder and you can experiment with the SATURATION, and ENHANCER features for fun. A detailed explanation of these functions is covered in the following sections of this manual.



# Operating the ReoTube G2/G2X

ReoTube® G2/G2X

## Setting a Good Level

One of the most important fundamentals of good audio engineering is setting proper levels. Even on a small typical mixer, or basic multi-track recorder, there are several controls that affect the level of a signal as it makes its way from your sound source to your speakers and then, ultimately, the level of your headphone or monitor system. These include pre-amp gain, EQ, aux sends and returns, channel fader level, bus or group levels, and finally, the master fader. Start off by being aware that anytime you change any control in the audio path, you are probably affecting gain somewhere. Then, be sure to carefully monitor the levels on your input and output meters to avoid a clipped signal with too many peaks. Also, remember your ear is the most sophisticated and calibrated piece of test gear you have. So, setting a good level should be approached from a technical point of view and then confirmed by a creative point of view.

### 1. INPUT GAIN CONTROL KNOB

As the name implies, the INPUT GAIN is used to set the level of the input signal. The rotary control knob provides a range of gain from +6 to +60 dB. The ReoTube G2/G2X can accept levels from most microphones when the MIC/INST switch is set to the MIC position. When the MIC/INST switch is set to instrument, the ReoTube G2/G2X can accept signals from instruments or line level sources. Once you set the MIC/INST switch to the proper position, you can use the INPUT GAIN control to adjust the level of your input signal. It is a good idea to start with the level low and raise it up, as needed. Be sure to monitor the input LED VU METER and try to set the INPUT GAIN control so that the meter reads +0 to +6 dB. If you see the OL LED light you are "Over Loading" and the sound may become distorted. If this happens, simply back down on the INPUT GAIN control until the OL light stops flashing.

### 2. LED VU METER INPUT LEVEL

To monitor the signal being presented to the ReoTube G2/G2X's input, there is a six-segment LED-bar VU meter indicating 20, -10, -6, 0, +6 and OL (OVER-LOAD). The level displayed on the meter will be affected by the MIC/INST switch so make sure that you have it set to the correct position for your sound source. The LED VU METER features "VU" ballistics, which means it reacts to the signal based on an average level. Use the VU METER when you are setting your initial input level with the INPUT GAIN control. Try to set the INPUT GAIN control so that the meter reads +0 to +6 dB. If you see the OL LED light you are "Over Loading" and the sound may become distorted. If this happens, simply back down on the INPUT GAIN control until the OL light stops flashing.

# Operating the ReoTube G2/G2X

## Setting a Good Level

### 3. Input Gain.

The Input Gain control sets the level of the signal to the input stage of the compressor and is variable between +16 dB and +60 dB for the MIC input, and -20 dB and +20 dB for the line input. This allows a wide range of signals to be fed into the ReoTube G2/G2X, and also allows the tube stages to be driven to a variable degree. Increasing the input gain pushes more signal level into the valve, thus generating more harmonic distortion and creating that special "valve sound". At the same time the output level can be turned down to preserve the same level at the outputs, so a choice of sounds is available. For a more pronounced valve sound, turn up the input gain and reduce the output gain, and vice versa for a cleaner sound. Don't be afraid to push the ReoTube G2/G2X hard! As well as driving the valves harder, increasing the Input Gain control setting also tends to push the signal towards and possibly over the compression threshold setting, so this control will have a pronounced effect on the amount of compression taking place, even in the Preset modes. The Input Gain control is active at all times, whether the Program control is set to Manual or Preset modes.

### 4. MIC/INST - Select switch

The MIC/INST switch is used to set the operating level of the ReoTube G2/G2X's input. When using a microphone set the switch to the "MIC" position: the switch is in the out position and the green LED is off. When you press the MIC/INST switch in, the green LED will illuminate indicating that the ReoTube G2/G2X is ready to accept a signal from an instrument like a guitar or bass guitar. You can also use the INST input to connect a line level device like a keyboard or drum machine.

### 5. 48 VOLT - Phantom Power Switch

The Reo series provides on-board phantom power supply for powering condenser microphones.

## IMPORTANT NOTE:

With all phantom power supplies, you can get an annoying POP when you engage the phantom power supply, or when you unplug a cable that has phantom power on it. Depending how loud you are monitoring, this POP can cause damage to your speakers, and even to your hearing. Be sure to turn your speakers, and/or headphone levels, all the way down when switching the phantom supply on and off or plugging and unplugging cables. If you are using a condenser microphone, turn down your monitor's speakers and/or headphones, and then press the front panel 48 Volt switch to engage the phantom power. The red LED illuminates indicating the phantom power is present on the MIC connector.

# Operating the ReoTube G2/G2X

## Setting a Good Level

### 6. PHASE SWITCH

For a variety of miking and mixing techniques, it may be necessary to invert the signal phase from the source you have plugged into your ReoTube G2/G2X. When the PHASE switch is pressed in, the yellow LED will light showing that the input signal is now out-of-phase.

### 7. LOW CUT

The 80 Hz filter is used to remove unwanted low frequency content from the source signal. Examples of this would be when a vocal is being very closely MIC'd and the low frequency content becomes boosted (known as the 'proximity effect') or to remove rumble from foot movement or passing traffic that is being picked up by the microphone. The filter will remove any frequencies below 80 Hz, leaving the rest of the signal spectrum unaffected.

### 8. Using the Tube Process

The ReoTube G2/G2X features a 12AX7 vacuum tube for adding extra harmonic content to the signal. It produces a subtle amount of even order harmonic distortion (the distortion we like), the amount of which can be controlled by the SATURATION control knob.

### 9. Threshold

The ReoTube G2/G2X functions by reducing the gain of the signal when it rises above a certain level, known as the Threshold. Any signal below the Threshold passes through the unit unaffected, while signals above the Threshold have their gain reduced (and are thus 'compressed').

### 10. Output Gain

This controls the level at the ReoTube G2/G2X output, and again is variable between -∞ dB (i.e. completely muted) and +15 dB. This control effectively acts like an output fader, and is very useful when recording direct to tape or hard disc through the ReoTube G2/G2X. You may find that some digital recorders require a good deal of input level in order to register a 0 dB reading on their meters. This is normal, since many digital recorders are designed to preserve headroom and keep the signal well below the 0 dB clip point - thus preventing the recorder distorting. The ReoTube G2/G2X provides ample gain to drive digital recorders, but you may find that the Output Gain control has to be set to higher levels for this reason. The Output Gain control is active at all times, whether the Program control is set to Manual or Preset modes.

# Operating the ReoTube G2/G2X

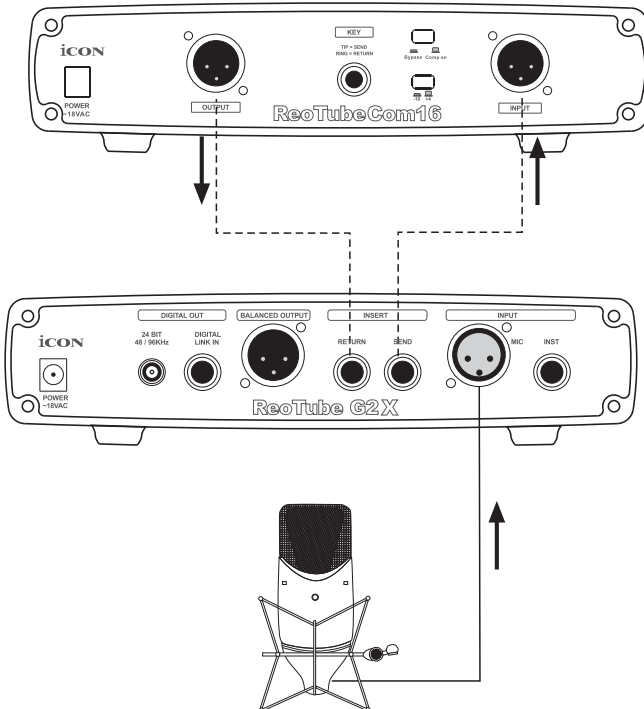
## Setting a Good Level

### 11. Using ReoTube G2/G2X With An External Signal Processor

To further control your signal, the ReoTube G2/G2X features an insertion point, or "effects loop", on two 1/4-inch phone jacks, INSERT SEND and RETURN. An insertion point is a patch-point that interrupts the signal, allowing you to bring that signal outside to be processed by another device. You can use these connections to interface an external signal processor like an equalizer, compressor, noise gate, reverb and other audio devices to process the signal directly inside the Reo series. A common application for the Reo 'series' insert point is to connect a compressor.

### 12. Insert Send and Return

To send a signal to an external processor, use a standard 1/4-inch cable to connect the rear panel INSERT SEND jack to the input of the external processor. The signal is sent back to the Reo series using a second 1/4-inch cable connecting the output of the external processor to the INSERT RETURN jack. The diagram below shows a typical application for using a compressor (in this example a ICON Reo Tcom16 and the ReoTube G2/G2X's insertion point.



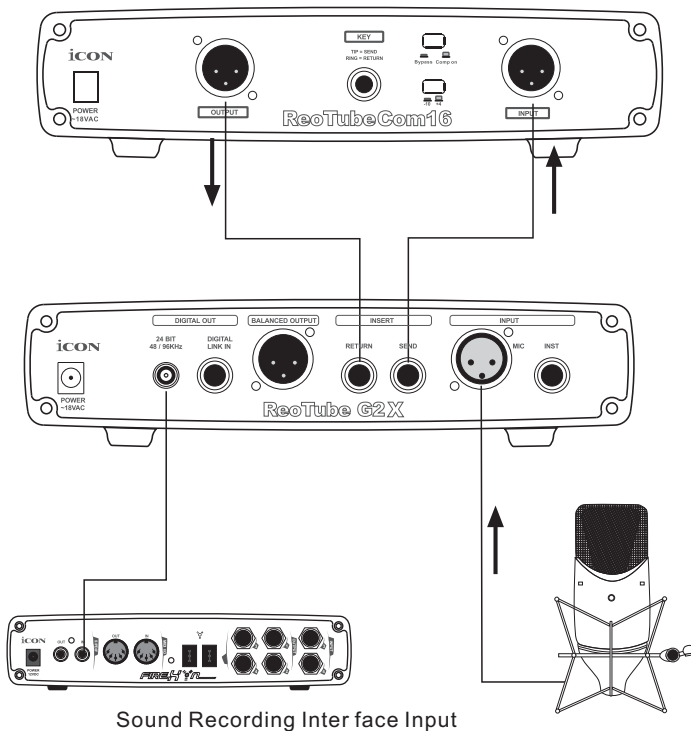
# Operating the ReoTube G2/G2X

ReoTube G2/G2X

## Setting a Good Level

### 13. Using the Digital Output (For G2X Only)

If you are using a digital recorder that has an S/PDIF digital input, you can take advantage of the ReoTube G2X's high quality 24-bit A-to-D converter to make a direct digital connection. Use a high quality co-ax digital cable to connect the ReoTube G2X RCA S/PDIF output to the S/PDIF. When using one G2X, the mono signal is sent to both the left and right S/PDIF output. You can use two Reo series devices for stereo recording by using the DIGITAL LINK jack.



The ReoTube G2X's A-to-D converter has a selectable sampling rate. Simply put, the sampling rate is how many times per second the A-to-D converter takes a digital picture of the sound. Use the 48 / 96 switch to select the sample rate that is compatible with your digital recording device.

# Operating the ReoTube G2/G2X

## Setting a Good Level

### 14. 48 / 96 Switch (For G2X Only)

The ReoTube G2X has an internal 24-bit A-to-D converter that can be set to either 48 kHz or 96 kHz sampling rates. Be sure to set the digital input on your sound card or digital recorder to the same sample rate. To set the sampling rate on your sound card or digital recorder, see the owners' manual for your specific device. When the 48 / 96 switch is set to the out position (the LED is off), the sample rate is set to 48 kHz. When the 48 / 96 switch is set to the in position, the LED illuminates indicating that the digital sampling rate is set to 96 kHz.

### 15. Digital OL indicator

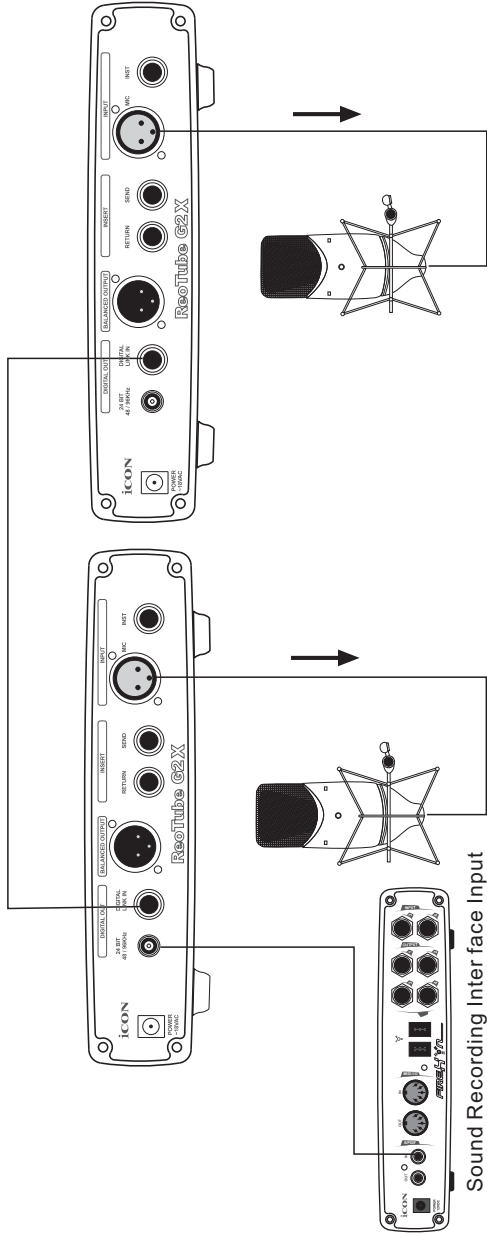
In order to confirm that you are not clipping or overloading the input to the internal A-to-D converter, the ReoTube G2/G2X provides a Digital OL (Over Load) LED. Ideally, this LED should never come on while using the ReoTube G2/G2X's digital output for recording or live use. If this LED illuminates, turn down the output VOLUME control, and if necessary the INPUT GAIN control.

### 16. Using the DIGITAL LINK Jack (For G2X Only)

For stereo applications, you can connect two ReoTube G2Xs together by using the DIGITAL LINK jack. The DIGITAL LINK jack is a 1/4-inch TRS (TIP, RING, SLEEVE) connector providing a balanced input that is connected directly to the ReoTube G2X right channel input of the A-to-D converter. Since the ReoTube G2X's signal is internally connected to the left A-to-D converter input, the signal from the second Reo series' OUTPUT can be connected the DIGITAL LINK jack of the first unit to feed the right channel of the first ReoTube G2X's A-to-D converter. Now use the S/PDIF output on the first Reo series as one stereo digital output. The signal from the first ReoTube G2X (or the left channel) is being carried on the left side of S/PDIF output and the signal from the second ReoTube G2X (or the right channel) is being carried on the right side of the S/PDIF output. The following diagram shows a typical hook-up for connecting two Reo series with one stereo digital output.

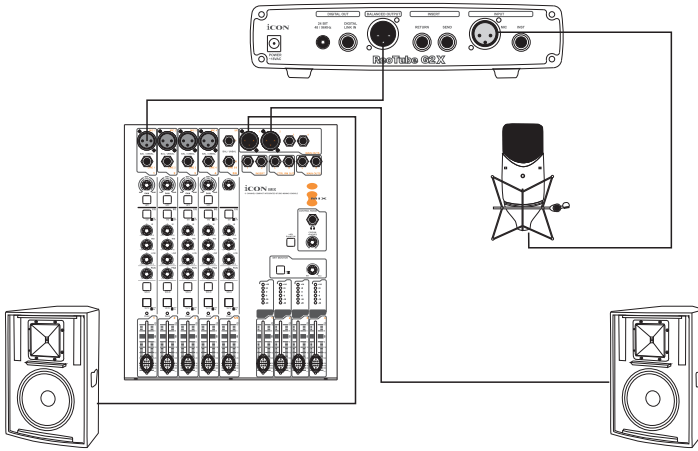


# Operating the ReoTube G2/G2X



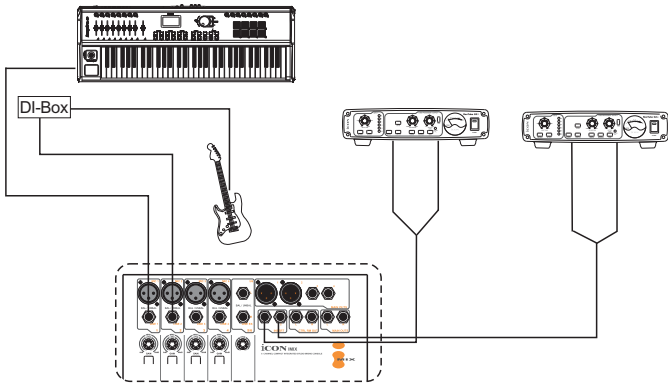
# ReoTube G2/G2X System Set-ups

## Using the ReoTube G2/G2X in a Live PA System



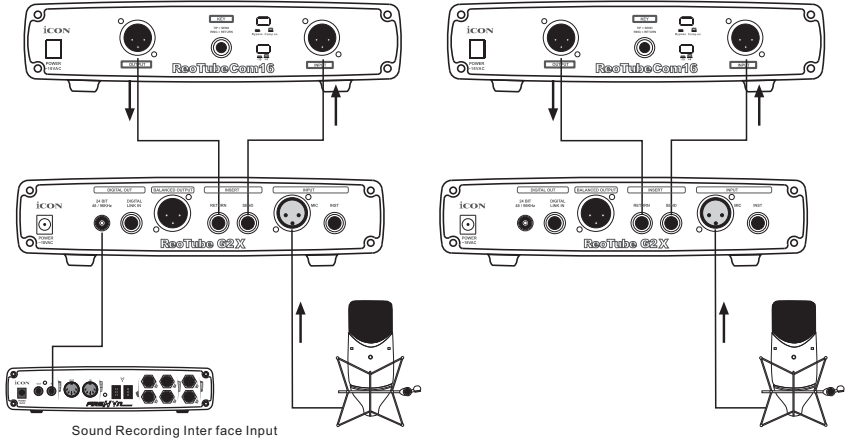
ReoTube G2/G2X

In this example, a condenser microphone is connected to the ReoTube G2/G2X's MIC input using a standard XLR cable. To make a balanced connection, the ReoTube G2/G2X's output is connected to the input of a standard PA mixer using a standard 1/4-inch TRS (TIP-RING-SLEEVE) cable. The mixers main left and right outputs are connected to powered PA speakers.



You can use the ReoTube G2/G2X to "warm-up" the signal from recorded tracks or instruments such as digital electric piano or bass, to name a couple. The example above shows the two ReoTube G2/G2Xs inserted into the insert point of a mixer on the keyboard and bass channels. Set the input and output level so that you get unity gain (the same level in and out), and then use the SATURATION control to adjust the amount of tube sound.

## ReoTube G2/G2X Stereo Digital Recording Set-up with External Compression

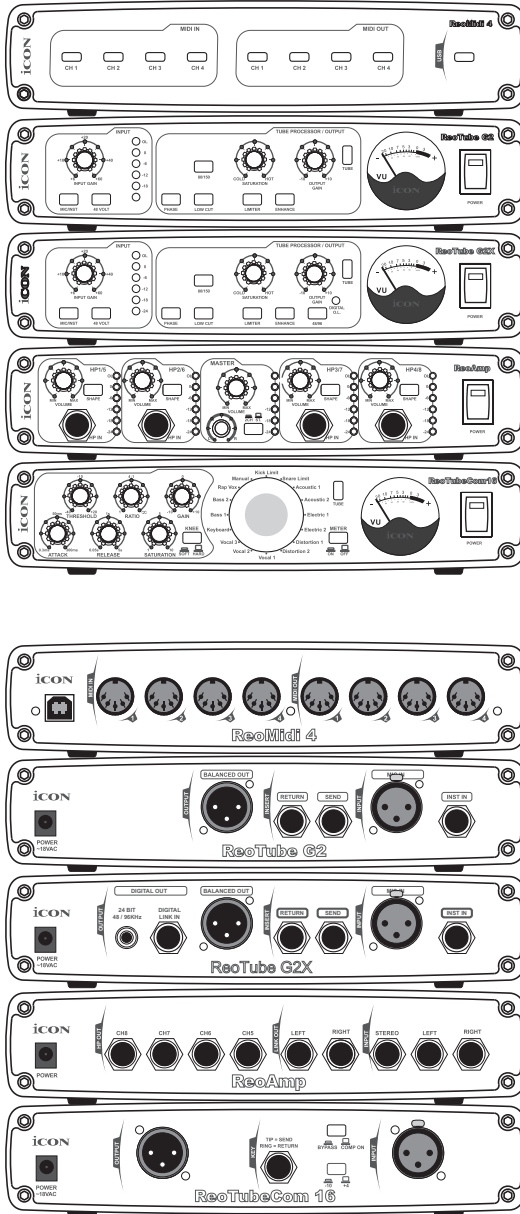


In this example, two ReoTube G2/G2X units are used for recording a stereo signal to a computer based hard disk recorder. The balanced OUTPUT of the second ReoTube G2/G2X is connected to the DIGITAL LINK input on the first ReoTube G2/G2X so that both signals are sent the S/PDIF out on ReoTube G2/G2X one. For extra dynamics control, a compressor (in this case the ICON ReoTcom16 optical compressor) is connected to each ReoTube G2/G2X via the INSERT SEND and RETURN jacks.

# Stacking the ReoTube G2/G2X

Every ReoTube G2/G2X has rubber pads so you can stack Reo Series units.

ReoTube G2/G2X



# Connection

ICON products are wired to reflect accepted wiring practices used throughout the world.

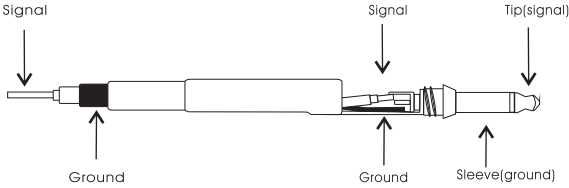
Balanced XLR connectors are wired as described:

- Pin #1 Shield
- Pin #2 Positive
- Pin #3 Common

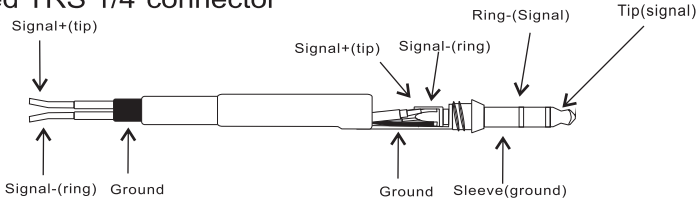
Balanced 1/4" connectors are wired as described:

- Tip is Positive
- Ring is Common
- Sleeve is Shield

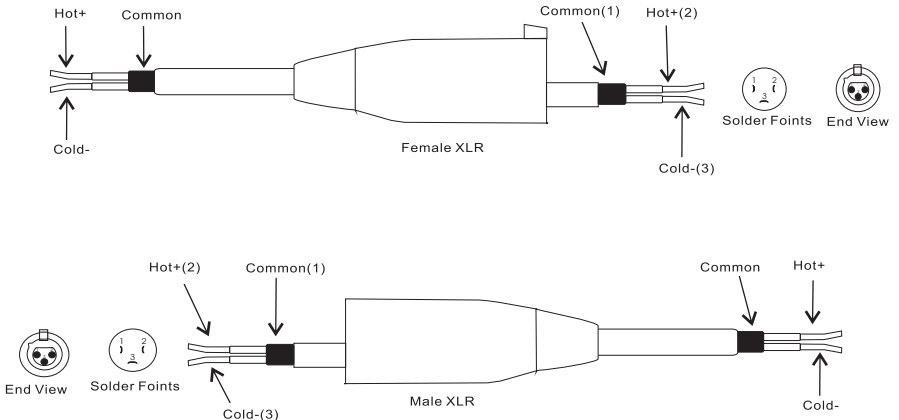
## Unbalanced 1/4" Connector



## Balanced TRS 1/4" connector



## Balanced TRS 1/4" connector



# Specifications

## Frequency Response

Dynamic Range	20 Hz to 20 KHz + - 0.5 dB
THD	95 dBu, un-weighted, 22 Hz to 22 KHz
Crosstalk	0.008% typ. @ +4 dBu, 1 KHz
DetectorRMS	90 dB 22 Hz to 22 KHz

## Inst/Line In

Connector	1/4" TRS Jack
Impedance	1 Mega Ohm Balanced
Max. Input Level	+21 dBu, Balanced and Unbalanced

## MIC Input

Connector	Neutrik XLR Balanced
Impedance	2.5K Ohm Balanced
Max. Input Level	+21 dBu, Balanced and Unbalanced
CMRR	Typ. 40 dB, >55 dB @ 1 KHz

## Analog Output

Connector	Neutrik XLR Balanced
Impedance	60 Ohms Balanced, 30 Ohms Unbalanced
Max. Output Level	+21 dBu, Balanced and Unbalanced

## Digital Output

Connector	RCA
Type	S/PDIF
Converter	24-bit
Sampling Rate	Selectable 48 / 96 KHz

## Insert Send

Connector	1/4" Jack
Impedance	> 100 Ohm
Max. Input Level	+21 dBu

## Insert Send

Connector	1/4" Jack
Impedance	> 10K Ohm
Max. Output Level	+21 dBu

## Power Supply

Mains Voltages USA/Canada	105-125 VAC ~, 50 Hz
Main Voltages Europe	215-254 VAC ~, 60 Hz
Power Inlet	Standard IEC receptacle / with fuse
Power Consumption	30 Watts Max.

## Physical

Dimensions1	4/5" (48 mm) x 8 4/5" (224 mm) x 6 3/4" (170 mm)
Net Weight	7 lbs (3.2 kg)
Shipping Weight	9.5 lbs (4.3 kg)

# Services

## If your ReoTube G2/G2X needs servicing, follow these instructions.

ReoTube G2/G2X

Check our online Help Center 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 Help Center at the link below, 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.

As soon as you have submitted an inquiry ticket, our support 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 centers 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](http://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](mailto: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](http://www.iconproaudio.com).



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[www.iconproaudio.com](http://www.iconproaudio.com)