

IMPORTANT SAFETY INSTRUCTIONS

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 cloth.
7. 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 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 or 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.
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. If the power cord becomes frayed, stop using immediately.
11. Use only attachments/accessories specified by the manufacturer
12. Use only with a cart, stand, tripod, bracket or table specified by the manufacturer, or sold with the 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. 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.
15. This apparatus shall not be exposed to dripping or splashing, and no object filled with liquids, such as vases, shall be placed on the apparatus.
16. Note that this apparatus is not completely disconnected from the AC mains service when the power switch is in the OFF position.
17. The mains plug or power inlet on the product is used as the disconnect device, so the disconnected device shall remain readily operable when reconnected.
18. Any changes or modifications not expressly approved in this manual could void your authority to operate this apparatus.
19. Only use power supplies and accessories provided with the product or approved by the manufacturer.



The lightning flash with an 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 persons.

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



The Black Lion Audio Revolution 14x16 complies with all applicable RoHS / WEEE European Union directives.

Do not attempt to service this unit yourself, as it will void your warranty. Please check your unit carefully upon receipt and return to place of purchase immediately if there are any problems with the product. After that, the standard Black Lion Audio 3 YEAR warranty will apply to defects in materials and workmanship.

U.S.A.

Should your Black Lion Audio product require service, please contact the Black Lion Audio Service Department: <https://www.blacklionaudio.com/contact>. **You must obtain an RA # (Return Authorization number) from us before shipping a unit back to us. This RA # must be clearly written on the outside of the box.**

Please safely pack the units...It is best to use the original packing materials. Black Lion Audio cannot be responsible for any damages incurred in shipping to us due to poor packaging. PLEASE PACK CAREFULLY and FULLY INSURE THE SHIPMENT.

INTERNATIONAL

For service or warranty assistance, please contact the Black Lion Audio distributor in your country through the dealer from whom you purchased this product.

LIMITED 3 YEAR WARRANTY

Black Lion Audio's Revolution 14x16 is warranted by Black Lion Audio to be free from defects in materials and workmanship for the period of THREE (3) YEARS to the original purchaser. In the event of such defects, the product will be repaired without charge or, at our option, replaced with a new one if delivered to Black Lion Audio prepaid, together with a copy of the sales slip or other proof of purchase date. The warranty excludes problems due to normal wear, abuse, shipping damage or failure to use the product in accordance with the specifications.

All parts and labor are covered under this Limited Warranty. However, if it is determined by Black Lion Audio that the device was damaged or made defective through abuse, we reserve the right to charge the customer for the cost of the repair.

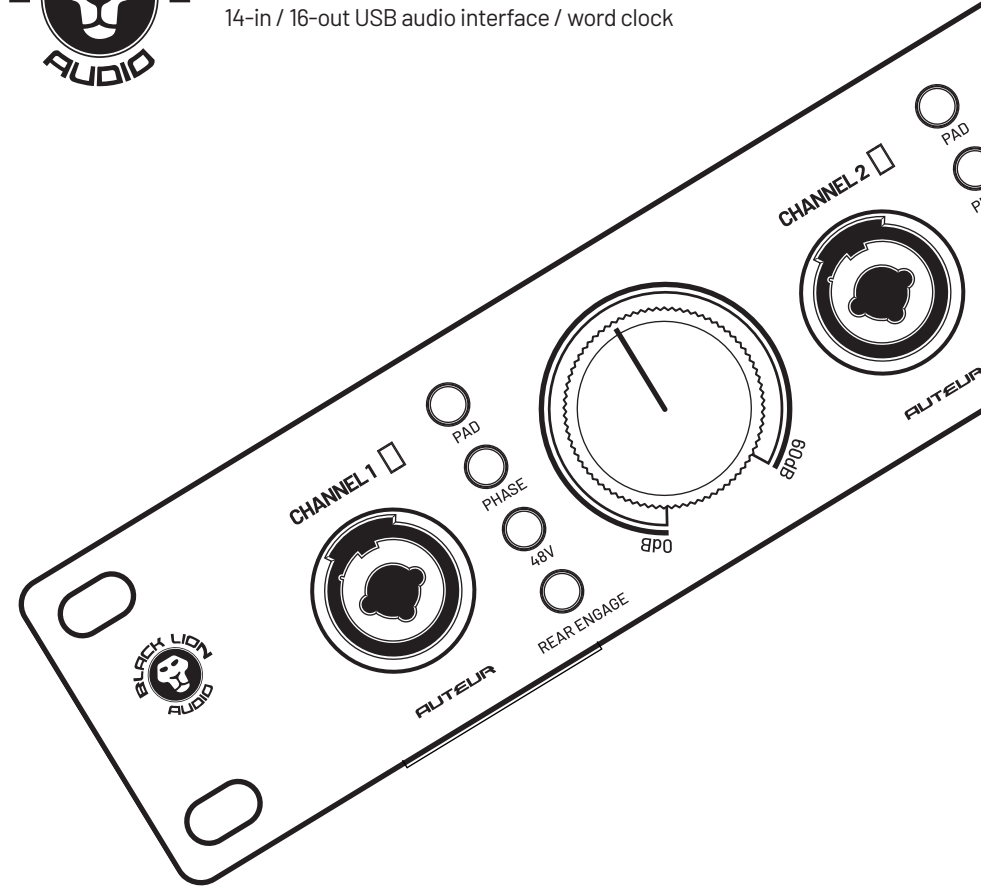
Black Lion Audio shall not be liable for damages based upon inconvenience, loss of use of the product, loss of time, interrupted operation or commercial loss or any other damages, whether incidental, consequential or otherwise. This warranty gives you specific legal rights, and you may have other rights, which will vary from state to state.

This warranty is not transferable.



Revolution 14x16

14-in / 16-out USB audio interface / word clock



SOFTWARE REGISTRATION CODE

Quick Start Guide

RAD Distribution
180 Carpenter Ave. Middletown,
New York 10940, US

Revised 08/12/24

LET'S GET STARTED!

Product registration and software download instructions

1. Go to www.blacklionaudio.com
2. Click on the "REGISTER PRODUCT" button on the upper right corner.
3. Click "Create an Account" and follow the on-screen instructions. You'll need to verify your email address once submitted.
4. Return to blacklionaudio.com and click on the "REGISTER PRODUCT" button on the upper right corner. Log in to your new account.
5. Click "Register a product" in the blue bar on the top left.
6. Enter serial number of the unit. It's located on the bottom of the unit.
7. Enter software number. It's located on the front cover of this manual.
8. Click "Verify." The following screen will contain your software codes and download instructions.

Connecting to a computer (Mac & Windows)

Connect the Revolution 14x16 to your computer using a USB cable. The USB indicator light will illuminate in green.

Windows users: Install the Revolution 14x16 Windows ASIO driver. This installer was designed to be easy to use. Simply follow the on-screen instructions. You will be alerted that the installer has successfully finished and it will prompt you to reboot your computer. Click "Finish" to automatically restart your computer.

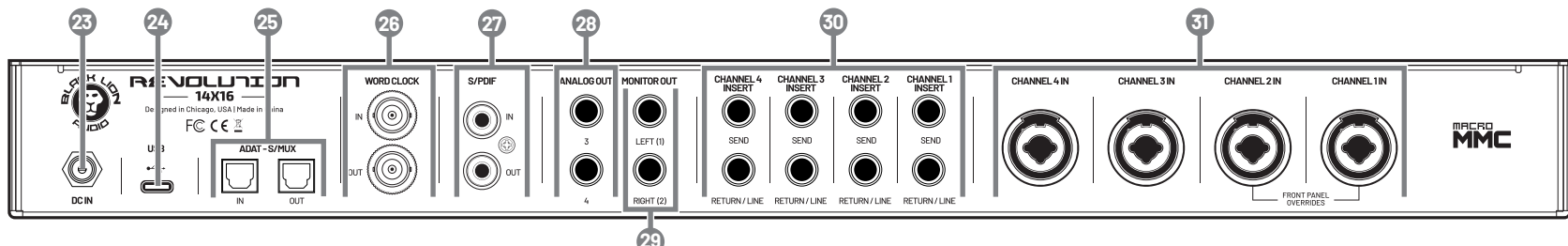
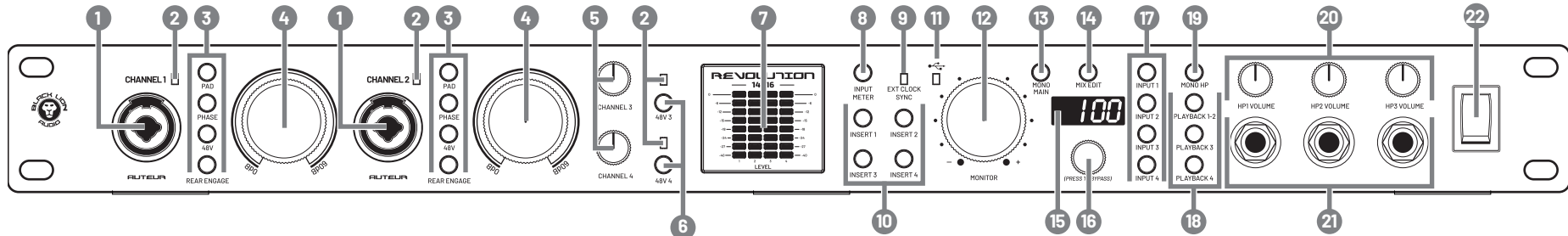
MacOS users: The Revolution 14x16 is a class-compliant Core Audio device, so no installation is necessary. Simply connect your Revolution 14x16 to your computer to begin using it.

The ASIO drivers are available for download on the Black Lion Audio website on the bottom of the Revolution 14x16 page.

GETTING TO KNOW THE REVOLUTION 14X16

Front panel

1. **Inputs:** XLR-Combo inputs for connecting microphones and instruments. Use the center-balanced 1/4" connection in this jack for Hi-Z devices (electric guitars and basses.)
2. **Signal LED:** Lights green when detecting incoming signal; lights red when signal is clipping.
3. **Preamp options:** Various options for channels 1 and 2. **Pad:** -10 dB pad. **Phase:** Phase invert. **48v:** activates +48V phantom power; per-channel. **Rear Engage:** activates the rear panel inputs for channels 1 and 2.
4. **Ch 1 & 2 Preamp Gain:** Controls gain on the Channel 1 and 2 (Auteur) preamplifiers.
5. **Ch 3 & 4 Preamp Gain:** Controls gain on the rear-mounted Channel 3 and 4 preamplifiers.
6. **Ch. 3 & 4 48V Buttons:** Activates +48 V phantom power for channels 3 and 4. Button lights red when active.
7. **Main Meter:** Meters the 4 analog inputs or playback levels. When set to Input Metering mode, signals hitting 0 dBFS are clipping.
8. **Input Meter:** Toggles the Main Meter between displaying analog input or playback levels. Lit red=input metering; unit=playback metering.
9. **Ext Clock Sync:** When lit green, indicates the Revolution 14x16 is being clocked by an external primary clock via BNC, or SPDIF. ADAT sync will not affect the sync light. Flashing green indicates lack of clock sync.
10. **Inserts 1-4:** Toggles the channel 1-4 Return/Line inputs on/off.
11. **USB Status:** This LED indicates the status of USB connectivity:
 - ▶ **Solid Green:** USB source is connected and has a secure connection to host.
 - ▶ **Off:** No USB source connection.
12. **Monitor:** This attenuates the monitor output level.
13. **Mono Main:** Sums the Monitor Outputs to mono.
14. **Mix Edit:** Activates configuration mode for setting the headphone mix.
15. **LCD Screen:** Displays percentage of currently-selected audio source being sent to headphone mix.
16. **Encoder:** used to enter mix values of currently-selected source to



- headphone mix. Press to bypass custom headphone mix.
17. **Input 1-4:** Toggles monitoring of the 4 analog input sources to the headphone mix.
18. **Playback 1-4:** Toggles monitoring of the playback sources to the headphone mix.
19. **Mono HP:** Sums the headphone outputs to mono.

Rear panel

23. **DC In:** Connection for power.
24. **USB-C to Computer:** Connect computer or mobile device here for recording with applications that support multi-channel audio interfaces.
25. **ADAT - S/MUX:** Connect your ADAT devices here for additional digital inputs and outputs. Revolution 14x16 sends and receives up to eight channels of digital audio from an ADAT-compatible device.
26. **Word Clock Input and Output:** Connect to the Word Clock Out jack to use the Revolution 14x16 as a primary clock for your other devices; Connect to the Word Clock In jack to sync the Revolution 14x16 to your primary clock.
27. **SPDIF Input and Output: Input:** Use this to accept digital audio from another SPDIF device. **Output:** Use this to output digital audio to another SPDIF device.

20. **Headphone Volume:** Controls headphone volume.
21. **Headphone Outputs:** Connect headphones to these jacks. All headphone outputs share the mix from the headphone mixer.
22. **Power Switch:** Turns the unit off or on.
28. **Analog Out 3-4:** Outputs for additional monitors or signal processors.
29. **Monitor Output:** Main outputs. Connect your monitor speakers here.
30. **Channel Inserts 1-4:** Connect external hardware processors here. Connect Send to your processor's input and Return/Line to its output. Return/Line jacks can also be used to connect line-level sources without using the Send connections.
31. **Channel Inputs 1-4:** Connect microphones and instrument-level devices here. Note that the rear-mounted Channel 1 and 2 inputs will require that the Rear Engage switch to be activated before accepting signal.

Creating a custom headphone mix

The Revolution 14x16 allows you to quickly create a custom headphone mix. Here's how:

1. Press the Mix Edit button to enter Mix Edit Mode. The Mix Edit button lights green.
2. Select the first of your desired headphone mix sources using the Input and Playback buttons. The Input or Playback button pressed will flash green.
3. Rotate the Encoder to edit the percentage of the selected source to

- be sent to the headphone mix.
4. Repeat the previous two steps to adjust the level of all desired sources.
5. When you're finished creating your custom mix, Press Mix Edit to exit Mix Edit Mode.

The headphone mix is shared by all 3 headphone outputs.

ADAT ports and sample rates

The number of digital audio channels that can be transmitted or received by the ADAT I/O is dependent upon the selected device configuration. Higher sampling rates consume more bandwidth, reducing channel count.

- ▶ 44.1 kHz: 8-in, 8-out
- ▶ 48 kHz: 8-in, 8-out
- ▶ 88.2 kHz: 4-in, 4-out
- ▶ 96 kHz: 4-in, 4-out
- ▶ 176.4 kHz: 2-in, 2-out
- ▶ 192 kHz: 2-in, 2-out

ADAT Port configuration is established in the Black Lion Control Panel app's Format tab (Windows) or in Audio MIDI Setup (Mac.)

Auteur preamps

Channels 1 and 2 of the Revolution 14x16 feature Black Lion Audio's proprietary "Chicago-Style" Auteur preamps. These preamps are designed to deliver the "best of both worlds" of both British- and American-style preamps.

Upon increasing the gain, you'll find the Auteur preamps will deliver the warmth, color, and saturation on the output stage more commonly associated with British-style designs—thanks to their Cinemag transformers.

The Auteur preamps on Channels 1 and 2 deliver the quick attack and transparency of American-style preamps at the input stage—ideal for snappy transient sources like drums.

The choice is yours! We recommend you experiment with the Auteur channels and find the settings that best serve your song.