

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.

ADAT Port configuration is dependent on the selected sample rate on the device itself.

- 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

Notice

This manual provides general information, preparation for use, installation and operating instructions for the Black Lion Audio Auteur 8DAT.

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RAD Distribution
180 Carpenter Ave.
Middletown, NY 10940

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SPECIFICATIONS

Digital

Internal sample rate	44.1, 48, 88.2, 96, 176.4, 192 kHz
Bit depth	24 bit
Digital reference level	+16 dBu = 0 dBFS

Input

Type	XLR Female, Balanced
Mic Input Gain Range	+10 to +66 dB
Phantom power	+48v
Frequency Response	20 Hz to 20 kHz ± .1 dB
THD+N	.003%
Noise Floor	-90 dBu
Max Input Level	+19 dBu
Hi-Z Input Type	¼ TRS Female
Hi-Z DI Input Gain Range	+10 to 65 dB

Line Inputs

Type	¼ TRS Female
Line Input Gain Range	-6 to +50 dB
Max Input Level	+16 dBu
Digital Reference Level	+16 dBu = 0 dBFS

Line Outputs

Type	XLR Male, balanced / DB25
Max output level	+29 dBu

Power

Line Voltages	± 21 volts
Amperage	1.52 amps

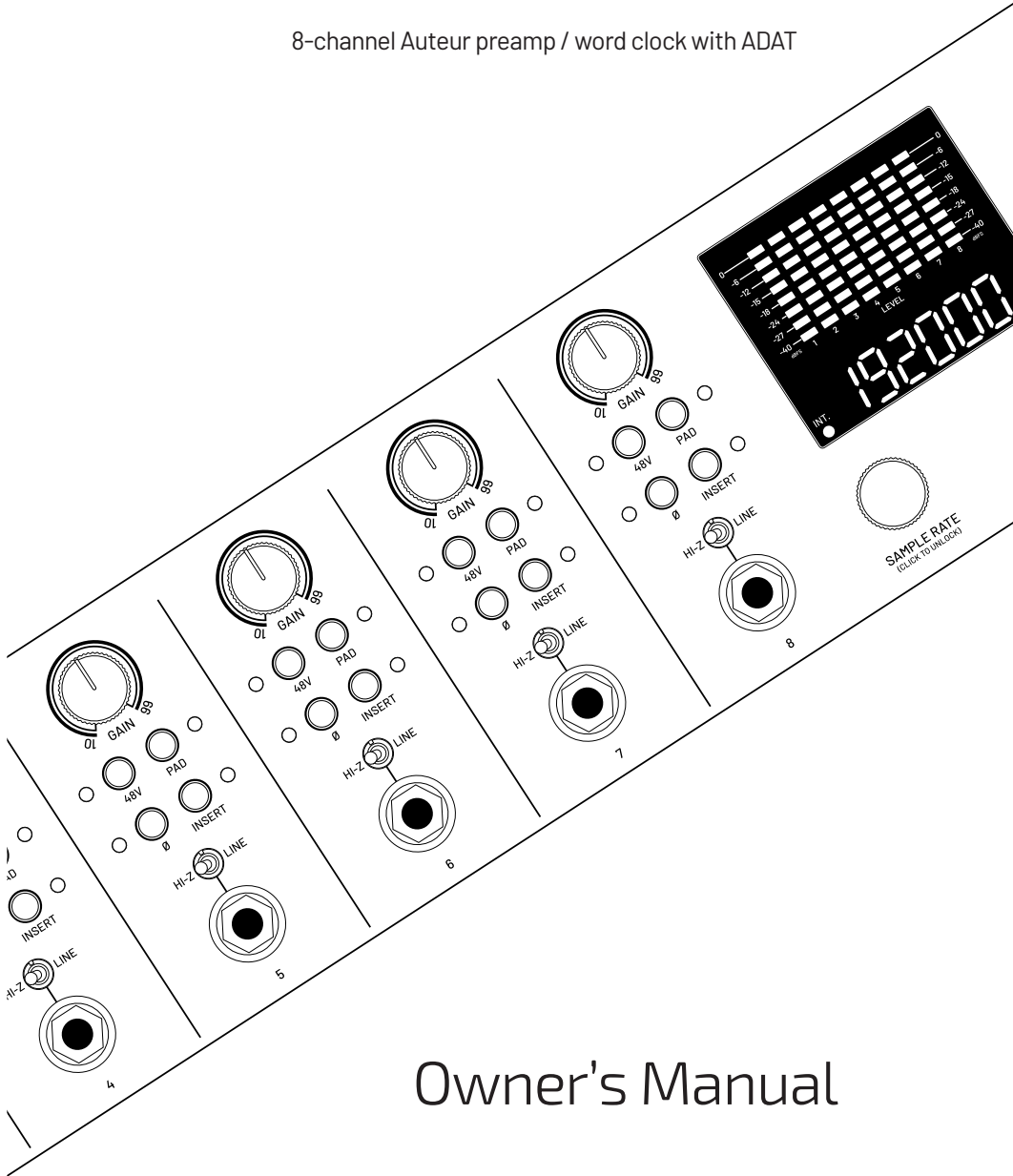
Physical

Weight	13 lbs
Dimensions	Width - 19" (483 mm) Height - 3.4" (86 mm) Length - 9" (229 mm)



Auteur 8DAT

8-channel Auteur preamp / word clock with ADAT



Owner's Manual

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.

IMPORTANT!

Be sure to use a three prong AC cable that properly fits the power source. Please use the correct fuse designated on the rear panel before plugging in the power cord. Improper selection can result in damage to the unit that will not be covered under the warranty.

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 Auteur 8DAT 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.

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 Auteur 8DAT 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.

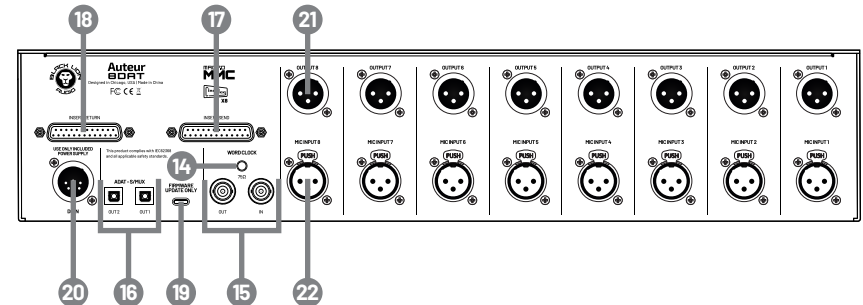
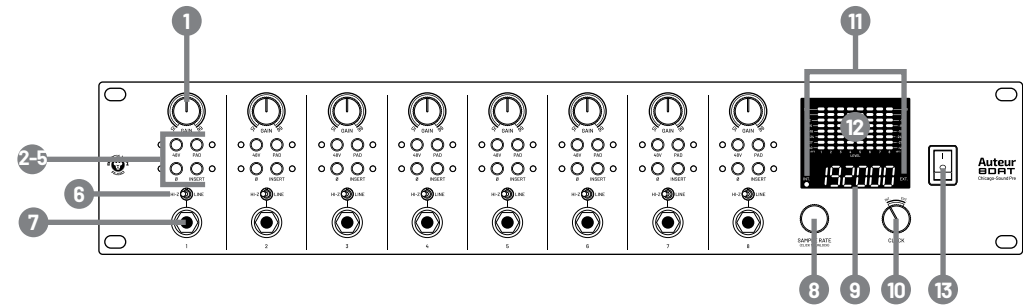
INTERNAL AND EXTERNAL CLOCKING

Auteur 8DAT can send or receive word clock depending on your preferred setup.

- ▶ When set to external clocking, Auteur 8DAT will accept clock from the BNC input. The sample rate will automatically follow the clock of the unit connected to the BNC input.
- ▶ When set to internal clocking, Auteur 8DAT will transmit clock from its BNC output and the optical ADAT connections.

HOOKUP AND QUICK START

1. On your sound system, mute your studio monitors.
2. Set power switch to OFF and connect power to the Auteur 8DAT.
3. Connect your input source(s) via balanced XLR or TRS cable(s). If you're using a Hi-Z input for a guitar or bass, be sure to use a high-impedance instrument cable.
4. Microphone-level sources connect to the back panel XLR inputs, while instrument-level and line-level sources utilize the front panel 1/4" inputs.
5. Connect your Auteur 8DAT's Outputs to your patchbay, audio interface, or subsequent signal processor using the appropriate TRS or XLR cable. Use optical cables to connected the ADAT outputs, if desired.
6. Connect any desired hardware processors to the Insert connections via DB25.



1. **Gain:** Clockwise rotation yields an increase in output signal amplitude, counterclockwise rotation yields a decrease in output signal amplitude.
2. **+48v:** Engage to activate +48V phantom power for condenser mics.
3. **Pad:** Engage to reduce input signal amplitude by 10 dBu, disengage to leave input signal amplitude unchanged.
4. **Phase Inverse (Ø):** Engage to adjust input signal polarity by 180°, disengage to leave input signal polarity unchanged.
5. **Insert:** Engage to toggle insert of hardware processors connected via rear DB25 connections.
6. **Hi-Z/Line:** Switches the channels 1/4" input between line level/Hi-Z (high impedance), for use with guitars and basses.
7. **1/4" input:** Front-mounted 1/4" input for line level and Hi-Z sources. Connecting a 1/4" jack disables the corresponding rear XLR input.
8. **Sample Rate:** Press in the Sample Rate encoder to unlock. Turn to select the desired sampling rate of the digital outputs. 44.1, 48, 88.2, 176.4 or 192 kHz. Press in the Sample Rate encoder to lock the sample rate, preventing accidental changes.
9. **LCD Display:** Displays the current sample rate.
10. **Clock Selector:** Turn to set Auteur 8DAT to use its internal clock or sync to an external clock. (BNC)
11. **Clock indicators:** Identify if Auteur 8DAT is providing primary clock (Int.) or syncing to an external clock (Ext.)
12. **dBFS Meter:** Displays the signal level arriving to the built-in analog-to-digital converters. Red LEDs indicate clipping; adjust gain to prevent distortion during the conversion process.
13. **Power:** Flip switch up to turn Auteur 8DAT on; down to turn Auteur 8DAT off.

(Steps 7-10 are optional, and are only required if you are using the ADAT connections.)

7. Connect your audio interface to Auteur 8DAT via ADAT - S/Mux connections.
8. Connect your audio interface to Auteur 8DAT via BNC connections being mindful of your desired clock source.
9. Set your interface and Auteur 8DAT to the desired clocking configuration settings.
10. Check the sync indicators to verify your interface and Auteur 8DAT are synchronized.
11. Set all Gain controls to the fully counter-clockwise position.
12. Set Auteur 8DAT's Power switch to ON.
13. Engage the button options according to the requirements of the input sources (Line for line level sources; 48V for condenser mics).
14. Unmute studio monitors.
15. Turn Gain clockwise until the desired signal level is achieved.

14. **Word Clock 75Ω:** Engage to apply 75 ohm termination to the BNC Input. No hardware BNC terminator is required when engaged.
15. **Word Clock Input and Output:** BNC connections. Connect to the Word Clock Out jack to use the Auteur 8DAT as a primary clock for your other devices; Connect to the Word Clock In jack to sync the Auteur 8DAT to your primary clock.
16. **ADAT - S/MUX:** Optical connections. Connect your ADAT devices here for additional digital outputs. Auteur 8DAT sends up to eight channels of digital audio to an ADAT-compatible device.
17. **Insert Sends:** DB25 connections for insert sends. Connect to the input of your external processing hardware or patchbay. These sends are always active and can be used as mults in conjunction with the XLR outputs.
18. **Insert Returns:** DB25 connections for insert returns. Connect to the output of your external processing hardware or patchbay. These inputs route directly to the ADC and are only engaged when the insert button is pressed.
19. **USB-C:** Connect to a computer for firmware update purposes only. (Audio is not input or output over USB.)
20. **DC IN:** +/-21V 1.5A VDC input jack. Use only a BLA-specified power supply.
21. **XLR Outputs:** Balanced line-level XLR outputs for connecting to mixers, audio interfaces, recorders, etc.
22. **XLR Microphone Inputs:** Balanced mic-level inputs for connecting microphones.