



OPERATING INSTRUCTIONS

Crucial Audio llc®

April, 2016

DUB1_MANUAL Rev A

WideBand Vacuum Tube Direct Box

IMPORTANT: READ ALL INSTRUCTIONS BEFORE OPERATING THIS UNIT!

CAUTION NOTES

- TO PREVENT DAMAGE, FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS UNIT TO RAIN OR MOISTURE.
- NO USER SERVICEABLE PARTS INSIDE, REFER SERVICING TO QUALIFIED PERSONNEL ONLY.

Your DUB-1 WideBand Vacuum Tube Direct Box

Congratulations and Thank You for purchasing **DUB-1** by **Crucial Audio llc** ®. **DUB-1** is a Wideband Vacuum Tube Direct Box, delivering one of the widest frequency response performance in the professional audio industry. **DUB-1** features durable construction, low distortion, a low noise floor, and tube warmth at an affordable price. Use **DUB-1** as an interface for your recording studio or live sound system to sweeten the tone of your instruments with **Crucial Audio's** critically acclaimed vacuum tube circuitry. Please, refer to the following sections for operational and maintenance information.

Product Features

- ULTRA-WIDEBAND FREQUENCY RESPONSE: 30HZ -110KHZ (PASSBAND RIPPLE < 3DB)
- LOW DISTORTION: THD < .03% @ 1KHZ .1VRMS INPUT OR .707VRMS INPUT W/ -15DB PAD
- RUBY 12AU7 SELECTED VACUUM TUBE.
- LOW IMPEDANCE BALANCED OUTPUT -W/ SELECTABLE PHASE & GROUND LIFT SWITCHES
- HIGH IMPEDANCE INPUT - WITH SELECTABLE 15DB PAD
- HIGH IMPEDANCE OUTPUT - WITH SELECTABLE PRE/POST SWITCH
- RUGGED LASER ETCHED ANODIZED EXTRUDED ALUMINUM ENCLOSURE
- 1 YEAR LIMITED WARRANTY.

FUNCTIONS



Right Side Panel

GND LIFT SWITCH: Isolates balanced outputs' chassis ground, to reduce potential ground loops.

POLARITY/PHASE SWITCH: Selects polarity/phase for Balanced Output on XLR connector.

BALANCED OUT: Balanced Low-Impedance Out (polarity determined by Phase switch).

HI-Z OUT: This unbalanced ¼" jack provides a high impedance output signal to your amplifier, mixing console, or other effect units.

POST/PRE SWITCH: Selects signal source for Hi-Z Out. Pre = pass thru/dry. Post = Tube Pre amp out.

INST/LINE SWITCH: Engages a 15dB pad for the HI-Z input.

HI-Z IN : Unbalanced, high impedance ¼" input is optimized for a variety of input levels.



Left Side Panel

POWER ADAPTER INPUT: Use only approved AC Power Adapter (18Vac 1 Amp)

Specifications

Model:	DUB-1
Power Requirement:	18Vac 1AMP
Input Impedance:	1 M Ω /10K Ω
Maximum Input Level:	16dBv
Maximum Output Level:	16dBv
Frequency Response:	30Hz to 110kHz <3dBv Pass Band Attenuation
Noise Floor:	-100dBv (typ)
Vacuum Tube:	12AU7 Valve
Dimensions:	
Height:	3.4 in 8.64 cm
Width:	6 in 15.24 cm
Length:	4 in 10.16 cm
Weight:	4.5lbs 2.04 kg

Product Specifications are typical and subject to change without notice.

Maintenance

Your DUB-1 is designed to be relatively low maintenance and durable. From time to time, it will become necessary to replace the 12AU7 vacuum tube. This is a routine task, and Crucial Audio llc recommends that this only be performed by qualified personnel. Dangerous voltages may be present on the circuit board (even if the unit is unplugged from its power adapter), and the glass vacuum tubes are fragile and can shatter. Please, refer tube replacement to a qualified and authorized technician.

Product Support & Contact Information

Please, refer all technical support inquiries to Crucial Audio Customer Support. Product information, Frequently Asked Questions, and other information can be found online at www.crucialaudio.com

Contact Information:

Crucial Audio LLC
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Dagsboro, Delaware 19939
Tel/Fax 1-302-927-0090
Email: info@crucialaudio.com
URL: www.crucialaudio.com

DUB-1 System Limited Warranty

Crucial Audio LLC warrants that the Crucial Audio product you have purchased shall be free of any defects in parts and workmanship if used under normal operating conditions for a period of one (1) year from the date of purchase, except that vacuum tubes, cables, and other included accessory products are warranted for ninety (90) days from date of purchase. This warranty shall run to the original purchaser or lessee when purchased or leased from an Authorized Crucial Audio Dealer and any transferee of a retail purchaser. **IMPORTANT: PLEASE RETAIN YOUR SALES RECEIPT OR LEASE AS IT IS YOUR PROOF OF PURCHASE COVERING YOUR LIMITED WARRANTY. IF YOU WANT TO TRANSFER THE WARRANTY TO A SUBSEQUENT PURCHASER OF THE PRODUCT YOU MUST ENDORSE THE SALES RECEIPT TO SUCH SUBSEQUENT PURCHASER. THIS LIMITED WARRANTY IS VOID WITHOUT SUCH SALES RECEIPT OR LEASE.** Defective parts presented during the applicable warranty period with proof of purchase will be repaired or replaced without charge if the complete product is returned to any Authorized Crucial Audio Electronics Service Center within the country it was purchased. Any repair or service performed by any person or entity other than an Authorized Crucial Audio Electronics Service Center is not covered by this limited warranty. Transportation costs are not included in this limited warranty. This limited warranty becomes void if the serial number on any product is defaced or removed, or the product has been damaged to alteration, misuse, accident, or neglect; or the product has been repaired or serviced by persons not authorized by Crucial Audio. **THE FOREGOING CONSTITUTES THE ONLY WARRANTY MADE BY CRUCIAL AUDIO WITH RESPECT TO THE PRODUCTS AND IS MADE EXPRESSLY IN LIEU OF ALL OTHER WARRANTIES EXPRESS OR IMPLIED.** Any implied warranties, including without limitation, any implied warranties of duration of this limited warranty. Some states do not allow limitations on how long an implied warranty lasts, so the above limitations may not be applicable to you. This warranty applies only to products purchased and serviced within the U.S.A and Canada.

EFFECTIVE DATE: OCTOBER 1, 2015