



LIVEMIX PRO DA-8

USER GUIDE V1.0
MARCH 17, 2025

DIGITAL AUDIO LABS
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Chanhassen, MN 55317
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SAFETY INSTRUCTIONS

TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER. NO USER SERVICEABLE PARTS INSIDE. CONTACT DIGITAL AUDIO LABS FOR SERVICING.

The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of un-insulated and/or potentially dangerous voltage within the products 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 appliance.

POWER CORD NOTICE FOR INTERNATIONAL OPERATION

Please call Digital Audio Labs Support at 952-401-7700.

IMPORTANT SAFETY INSTRUCTIONS

1. Read and understand this entire manual.
2. Keep this manual available for reference.
3. Heed all warnings and precautions in this manual and notices marked on the product.
4. Do not use this product near water or damp environments.
5. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
6. Provide for proper airflow around product. Do not install near products that produce high levels of heat. Do not expose the unit to direct sun light or heating units as the internal components' temperature may rise and shorten the life of the components.
7. 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.
8. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they connect to the product. Do not use the unit if the electrical power cord is frayed or broken.
9. Only use attachments/accessories specified by the manufacturer.
10. Unplug this product during lightning storms or when unused for long periods of time.
11. Refer all servicing to qualified service personnel. There are no user serviceable components inside the product.
12. The product shall not be exposed to moisture. Do not touch the unit with wet hands. Do not handle the unit or power cord when your hands are wet or damp.
13. The product should be connected to a power supply only of the type described in the operating instructions or as marked on the product.

CARE

- From time to time you should wipe off the front and side panels and the cabinet with a dry soft cloth. Do not use rough material, thinners, alcohol or other chemical solvents or cloths since this may damage the finish or remove the panel lettering.
- The Livemix system is capable of delivering high levels of volume. Please use caution with volume levels, listen with the lowest possible volume for proper operation and avoid exposure to prolonged high volume levels.
- The manufacturer cannot be held responsible for damages caused to person, personal possessions, or data due to an improper or missing ground connection.

DIGITAL AUDIO LABS LIMITED WARRANTY

Digital Audio Labs (DAL) warrants their products against defects in material and workmanship for a period of two years from date of purchase. During this period, Digital Audio Labs will, at its option, repair the defective unit or replace it with a new or rebuilt one.

The warranty does NOT cover:

- Damage due to abuse, misuse, or accident.
- Damage due to operation contrary to the instructions in the product instruction manual.
- Units on which the product serial number has been removed or altered.
- Units that have been serviced by unauthorized personnel.

All implied warranties, including warranties on merchantability and fitness, are limited in time to the length of this warranty. Some states do not allow time limitations on implied warranties, so this limitation may not apply to you. Digital Audio Labs' liability is limited to the repair or replacement of its product. Digital Audio Labs shall in no way be held liable for incidental or consequential damages resulting from the use of their product or its software, including, without limitation, damages from loss of business profits, business interruption, loss of business information or other pecuniary loss. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.

REPAIR POLICY

Please do not return the product without obtaining an RMA number first. Contact Digital Audio Labs at support@digitalaudio.com to acquire an RMA number. Do not return the product to the place of purchase. Please write the RMA number on the outside of the shipping carton. Any product sent to us without a valid RMA number will be refused. Include the following with the product: a brief description of the problem, your name, return shipping address, phone number and the RMA number. Do not include any accessories. DAL is not responsible for any damage to or loss of the product during transit. We recommend that customers obtain a receipt and tracking number for all packages shipped to us. Turnaround time on repairs is generally ten business days. If you live outside of the United States, please contact your local distributor for warranty service.

Please return product to:
Digital Audio Labs
Attn: RMA Number
1266 Park Road
Chanhassen, MN 55317
USA

WARRANTY SERVICE

You will be required to pay the shipping charges when you ship your product to DAL. DAL will pay for return shipping via UPS ground. We reserve the right to inspect any product that may be the subject of any warranty claim before repair is carried out. For warranty service, we may require proof of the original date of purchase if you have not registered your product with DAL. Final determination of warranty coverage lies solely with Digital Audio Labs.

NON-WARRANTY SERVICE

If it is determined that the product does not meet the terms of our warranty, you will be billed for labor, materials, return freight and insurance. There is a \$80 USD minimum charge for materials and labor. Appropriate shipping charges will be applied. We require payment in advance of repair by credit card; we accept Visa and Master Card. In the event the charges are over the minimum charge, DAL will contact you and inform you of the cost of the repair before any work is completed.

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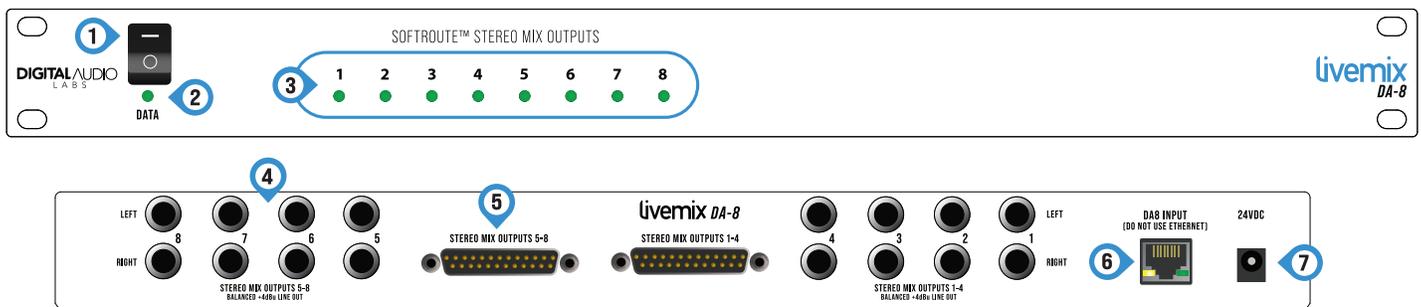
INTRODUCTION/OVERVIEW

Livemix personal mixers provide either stereo or mono output directly on the hardware. It is often desirable to have stereo outputs from a rack unit feed wireless in-ear systems or other external devices. The DA-8 analog output unit connects to the PRO-16/32 to provide 8 stereo outputs via TRS or DB-25 connections that can be assigned to any mix in the system. Once your hardware is setup, all mix assignments are made with SoftRoute™, built into the Livemix personal mixer touchscreen. This removes tricky physical routing and makes it easy to re-assign mixes when necessary.

Front panel LEDs on the DA-8 indicate a Livemix personal mix is assigned to one of the outputs and can also be used for identification and troubleshooting purposes.

- 16 balanced TRS outputs in stereo pairs
- Easy setup with SoftRoute™ on Livemix personal mixer touchscreens
- Front panel LED indicators
- High quality audio conversion
- External 24VDC power supply

ANATOMY OF THE DA8



1. POWER

This switch turns power on/off.

2. DATA LIGHT

This light will illuminate green when the DA-8 has a valid connection and is receiving data from a Livemix Pro-16/32. If this light is red, it is an indication that the connection to the PRO-16/32 is not functioning properly. When illuminated yellow, this is an indication that there are audio or communication issues.

3. STEREO MIX OUTPUTS

These lights give you a visual indication that a Livemix Pro personal mix is assigned to one of the stereo outputs. A green light indicates a mix is assigned. These LEDs can also be used for identification and troubleshooting purposes. Flashing indicates the SoftRoute™ Output ID function is active.

4. TRS OUTPUTS

16 balanced TRS connections in eight stereo pairs for connecting to external devices like wireless in-ear transmitters, powered monitors, snakes, etc.

5. DB25 OUTPUTS

Each DB-25 connector carries eight separate channels of balanced, +4dBu audio signals, using a single multi-pin connector. DB-25 connections can also be secured using screws available on the connector.

The DB-25 connectors follow the TASCAM format. See Wiring Diagram in this document for pin output configuration.

6. **DA8 INPUT**

Connect the DA-8 input to the FIRST or SECOND DA-8 output on a Livemix Pro-16/32. Connect directly to the Livemix Pro-16/32 DA-8 Output only. Connecting to a switch or network may damage the device.

7. **POWER SUPPLY**

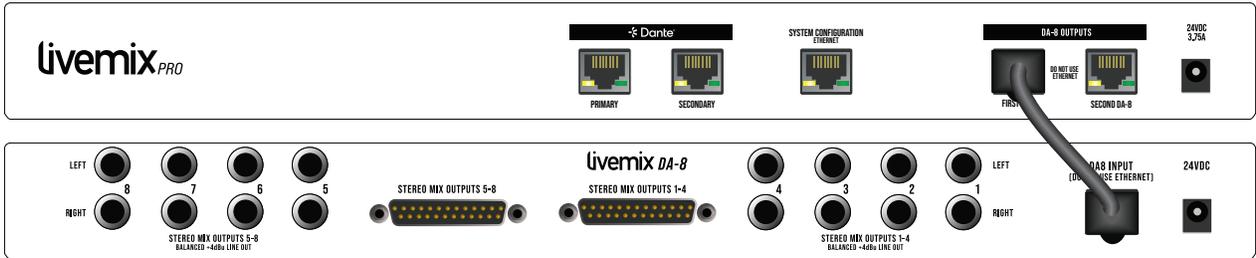
Connect the included power supply here. Only use the power supply that is supplied with your PRO-16/32. The PRO-16/32 is supplied with a 24V / 5A power supply. Contact support for a replacement power supply if necessary.

SETUP DIAGRAMS

CONNECTING THE DA8 TO THE PRO-16/32

Connect a Livemix Pro DA-8 analog output unit to the Livemix Pro-16/32 by attaching a SHIELDED (required) CAT-5e or CAT6 cable from the port labeled FIRST DA-8 on the PRO-16/32 to the DA8 INPUT on the back of the Pro DA-8.

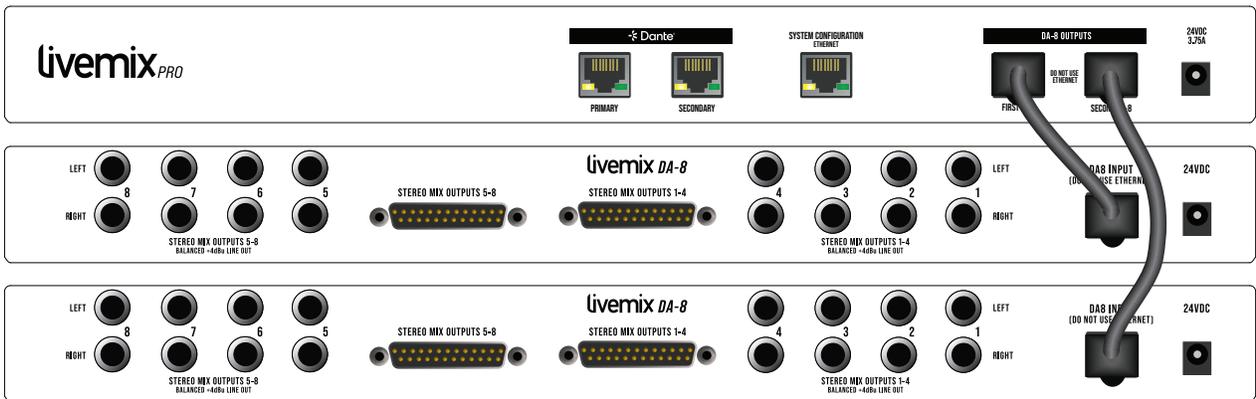
A direct connection between the DA-8 and PRO-16/PRO-32 is required. The system will not function with a switch or hub. Connecting to a switch or hub may cause damage to the device.



CONNECTING 2 DA8S TO THE PRO-16/32

When connecting two Livemix Pro DA-8 analog output units to the Livemix Pro-16/32, attach a SHIELDED CAT-5e or CAT6 cable from the port labeled FIRST DA-8 on the PRO-16/32 to the DA8 INPUT on the back of the first Pro DA-8. Connect a second SHIELDED CAT-5e or CAT6 cable from the port labeled SECOND DA-8 on the PRO-16/32 to the DA8 INPUT on the back of the second Pro DA-8 unit.

A direct connection between the DA-8 and PRO-16/PRO-32 is required. The system will not function with a switch or hub. Connecting to a switch or hub may cause damage to the device.



CONNECTING EXTERNAL DEVICES

Use the 1/4" TRS jacks to connect to wireless transmitters or other stereo devices. The DB-25 connectors carry the same audio signals and can be used to connect to mixers or other multi-channel devices.

NOTE: For external devices that only have mono inputs, change the Livemix mix output to BALANCED MONO mode after assigning the mixes. This will send the same mono signal out of both TRS jacks for the assigned output.

SETUP AND OPERATION

Use the SoftRoute™ function on a connected Livemix Pro Duo/Solo/Solo MD to route mixes to the Stereo Mix Outputs.

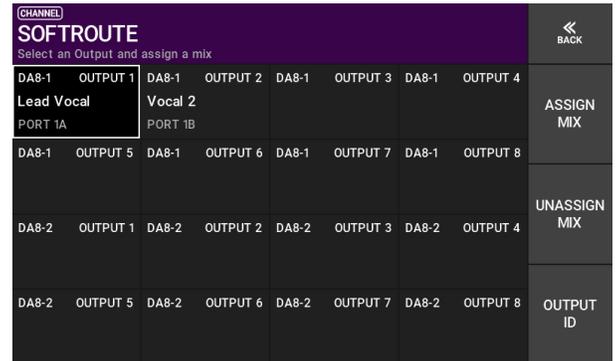
ASSIGNING MIXES TO OUTPUTS

SOFRROUTE

MIX TOOLS > SETTINGS (GEAR) > SOFRROUTE

Softroute™ is used to route personal mixes to the analog outputs of connected Livemix Pro DA-8 analog output units.

NOTE: Softroute can easily switch between mixes and outputs. For example, someone may have a guitar mix on a Livemix Pro DUO Mix A and a keyboard mix on Mix B. With Softroute, the mix sent to a wireless transmitter can be switched seamlessly. The same performer can get a guitar mix switched to a keys mix remotely.



A single DA-8 has 8 stereo output ports. A Livemix Pro-16/32 can connect to two DA-8 units for a total of 16 stereo outputs.

The Softroute screen shows each of the potential 16 outputs in the main window.

SOFRROUTE CELL LEGEND

The SoftRoute cells are arranged with the first 8 cells dedicated to the DA-8 connected to the “FIRST DA-8” port on the back of a Livemix Pro-16/32. The second 8 cells are dedicated to the “SECOND DA-8” port.

The SoftRoute cells contain the following information:

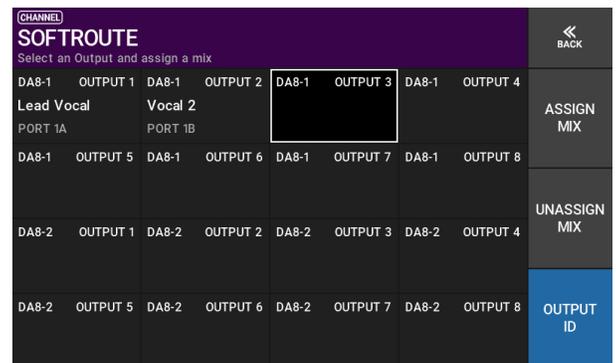
- DA-8 unit (first or second) and the Output (1-8)
- Assigned MIX NAME
- Assigned MIX PORT

IDENTIFY OUTPUT PORTS

SoftRoute’s OUTPUT ID function will flash the front panel ID of the selected output port and emit a test tone from the outputs. This allows users to quickly identify which device (like a wireless transmitter) is connected to which output jacks without tracing cables in the back of a rack.

To identify output ports:

- Select the DA-8 and output port to identify by selecting the desired cell.
- Press Output ID in the right hand menu area. The selected output indicator LED will flash on the DA-8 and a test tone will be audible if the output is connected to a device, usually a wireless in-ear monitor transmitter.
- Continue to select DA-8 output ports to identify other units.



ROUTE MIXES TO OUTPUTS

To assign a mix to a DA-8 output:

- Select the DA-8 unit and output port by selecting the desired cell.
- PRESS the ASSIGN MIX button in the right hand menu area.
- Select which Livemix Pro personal mixer port to assign to the output.
- Repeat for other mixes.

To unassign a mix from an output:

- Select the cell with the mix to unassign.
- PRESS the UNASSIGN MIX button in the right hand menu area.

SOFTROUTE				BACK
Select a mix to assign to DA8-1 Output 2				
Lead Vocal PORT 1A	Vocal 2 PORT 1B	No Mix Name PORT 2A	No Mix Name PORT 2B	PORTS 9-16
No Mix Name PORT 3A	No Mix Name PORT 3B	No Mix Name PORT 4A	No Mix Name PORT 4B	
No Mix Name PORT 5A	No Mix Name PORT 5B	No Mix Name PORT 6A	No Mix Name PORT 6B	
No Mix Name PORT 7A	No Mix Name PORT 7B	No Mix Name PORT 8A	No Mix Name PORT 8B	

FIRMWARE UPDATES

To update the Livemix Pro DA-8, navigate to the Version Info screen (MIX TOOLS > SETTINGS (GEAR) > UTILITIES > VERSION INFO) on a Livemix Pro Duo/Solo/Solo MD.

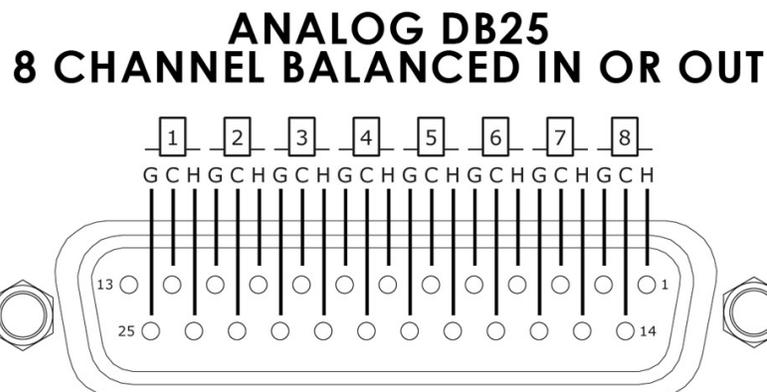
UPDATE DA-8 UNITS

To update Livemix Pro DA-8 units, press the UPDATE DA-8 button. You will be prompted to enter a USB Flash Drive with the firmware update into the front panel USB port on the connected Livemix Pro-16/32. If two DA-8 units are connected, both will be updated.

1. Download the latest firmware from <http://www.digitalaudio.com/support>.
2. Unzip the firmware zip file and copy the LMUPDATE folder to the root directory of a FAT32 formatted USB flash drive. Please make sure the LMUPDATE folder is not inside another folder and is in the "root" of the USB flash drive.
3. Insert the USB Flash Drive into the front panel USB port on the PRO-16/32.
4. Press the UPDATE DA-8 button.
5. On the confirmation screen, Press YES to begin the update. If you do not want to update, press NO.
6. Confirm that the USB Flash Drive is inserted when prompted.

LIVEMIX VERSION INFO			BACK
View and update firmware versions			
PRO DUO VERSION	BOOTLOADER 1.01 FIRMWARE 1.01		UPDATE PRO DUO/ PRO SOLO
PRO 16/32 VERSION	BOOTLOADER 1.01 FIRMWARE 1.01		UPDATE PRO 16/32
DANTE VERSION	DANTE FW 4.2.8.7 DANTE HW 4.2.7.9	PRODUCT SW 1.0.0.0	UPDATE DANTE
DA-8 #1 VERSION	BOOTLOADER 1.01 FIRMWARE 1.01		UPDATE DA-8
DA-8 #2 VERSION			

TASCAM DB-25 WIRING DIAGRAM



LIVEMIX SUPPORT

Phone Support: 952-401-7700
Toll Free: 844-DAL-INFO
Email Support: support@digitalaudio.com
Website: www.digitalaudio.com/support

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DA-8 SPECIFICATIONS

THD+N	.0019%
S/N Ratio	104 dB
Full Scale Output	+4dBu / 19dB peak
Output Impedance	300Ω
Max cable length from PRO-16/32	100m CAT5e (shielded cable required)
Dimensions	19" (483mm) W 6.25" (159mm) D 1U, 1.75" (44mm) H
Weight	4.70 lbs (2.13kg)



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Livemix is a registered trademark of Digital Audio Labs.
Patents pending.