

WILLIAMS AV
DL104 Small Room Loop Amplifier



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WILLIAMS AV

WILLIAMS AV DL104 Small Room Loop Amplifier



Specifications

- **Model:** DL104
- **Product:** Small Room Loop Amplifier
- **Power Supply:** 230V (or 115V)
- **Power Output:** 200VA

Included Items

- DL104 amplifier
- Black Line Cord
- (3) T-coil compliance stickers
- Rack mounting kit (optional)

Connecting the Amplifier

1. Install the rack (if applicable).

Attach the rack mounting brackets using the mounting screws provided in the kit. When mounting a rack with two loop amplifiers, attach the amplifiers to each other with the mounting brackets before integrating them into the rack. Leave at least 1U of space above the amplifier. Leave at least 6.6" (168 mm) of space between the bottom of the rack and the amplifier. Use a grounded outlet. Place the amplifier in the rack.

2. Connect the amplifier.

Connect audio sources via the inputs in the amplifier. The DL104 has two audio inputs: MIC and LINE.



3. Power on the amplifier.

The DL104 has an integrated power supply of 230V (or 115V), with a power of 200VA. Power up the unit using the grey button on the front of the amplifier. The Power LED illuminates in blue when the amplifier is powered up. Press the Power button on the front of the amplifier again to turn the unit off. The unit goes into standby mode when turned off.

4. Check the loop integrity.

Use the green LED on the front of the amplifier to check the loop integrity.



If the loop is cut or the loop impedance is outside 0.5 – 3.0 Ohm, the Loop LED will not be displayed, and the Protect LED will illuminate red.



Testing the Amplifier

- To calibrate the amplifier, start by checking that all the adjustment screws are at level 0 then connect your loop to the Loop terminal block.
- Connect a 1 kHz sinusoidal source to the line input. Increase the input signal via the "Line" adjustment screw on the front of the amplifier until you reach between -6 and 0 dB.
- Increase the output current via the "Loop" adjustment screw on the front panel of the amplifier until you reach between 75% and 85%.
- Make a first measurement at the center of your room using your FSM. Readjust the settings until you reach -3 dB at the center of the zone.
- Follow the test procedure described in the Induction Loop System Design Guide to ensure installation meets the IEC 60118-4 standard. Use the Loop Commissioning Form to certify that the loop amplifier has been

calibrated to the loop, the system meets the IEC Specification 60118-4, the facilities manager has been informed about system calibration, and the facilities manager is satisfied with the audio performance.

Troubleshooting

Technical Support is provided by our Tech Blue Department from 8:00 am to 4:30 pm Central Time. You can reach us by calling 800.328.6190 (ask for Tech Blue) or emailing techblue@williamsav.com.

Resources

Download Manuals, Specifications, and Loop Certification Forms from our www.williamsav.com. Review our design guide for more information on installing your induction loop system.

Recycling Instructions

Please Recycle

Help Williams AV protect the environment. Please take the time to dispose of your equipment properly. This product should not be handled as ordinary household waste. Please do NOT dispose of your equipment in the household trash. Please take the equipment to an electronics recycling center for proper disposal.

Warranty

Williams AV warrants the DL104 Small Room Hearing Loop Amplifier against defects in materials and workmanship under normal use and conditions for 2 years from date of purchase. This warranty is available to the original end purchaser of the product and CAN BE transferred to subsequent purchasers of the product. This warranty does not cover reimbursement for your costs of removing and transporting the product for warranty service evaluation or installation of any replacement product provided under this warranty.

If you have trouble with your DL104, call toll-free for customer assistance:

1-[800-843-3544](tel:800-843-3544) (U.S.A.)

1-[952-943-2252](tel:952-943-2252) (Outside the U.S.A.)

WilliamsAV.com

U.S. | 800.843.3544 info@williamsav.com

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FAQ

- **Q: What should I do if the Protect LED illuminates red?**
 - A: If the Protect LED is red, it indicates a cut loop or loop impedance outside of 0.5 – 3.0 Ohm. Check the loop integrity and impedance to resolve the issue.
- **Q: How can I certify that the loop amplifier has been calibrated correctly?**
 - A: Use the Loop Commissioning Form to certify that the loop amplifier has been calibrated to the loop, ensuring compliance with standards and satisfactory audio performance.

Documents / Resources

	<p>WILLIAMS AV DL104 Small Room Loop Amplifier [pdf] User Guide</p> <p>DL104, DL102, DL104 Small Room Loop Amplifier, DL104, Small Room Loop Amplifier, Room Loop Amplifier, Loop Amplifier, Amplifier</p>
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References

- [User Manual](#)

[Manuals+](#), [Privacy Policy](#) | [@manuals.plus](#) | [YouTube](#)

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