



MA15

ORDERCODE D6101



SHOWELECTRONICS FOR PROFESSIONALS

Congratulations!

You have bought a great, innovative product from DAP Audio.

The Dap Audio MA15 brings excitement to any venue. Whether you want simple plug-&-play action or a sophisticated show, this product provides the effect you need.

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You can get some of the best quality, best priced products on the market from DAP Audio.

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Always get the best -- with DAP Audio !

Thank you!



Dap Audio

Dap Audio MA15™ Product Guide

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WARNING



**FOR YOUR OWN SAFETY, PLEASE READ THIS USER MANUAL CAREFULLY
BEFORE YOUR INITIAL START-UP!**

SAFETY INSTRUCTIONS

Every person involved with the installation, operation and maintenance of this device has to:

- be qualified
- follow the instructions of this manual



Before your initial start-up, please make sure that there is no damage caused by transportation. Should there be any, consult your dealer and do not use the device.

To maintain perfect condition and to ensure a safe operation, it is absolutely necessary for the user to follow the safety instructions and warning notes written in this manual.

Please consider that damages caused by manual modifications to the device are not subject to warranty.

This device contains no user-serviceable parts. Refer servicing to qualified technicians only.

IMPORTANT:

The manufacturer will not accept liability for any resulting damages caused by the non-observance of this manual or any unauthorized modification to the device.

- Never let the power-cord come into contact with other cables! Handle the power-cord and all connections with the mains with particular caution!
- Never remove warning or informative labels from the unit.
- Do not open the device and do not modify the device.
- Do not insert objects into air vents.
- Do not connect this device to a dimmerpack.
- Do not switch the device on and off in short intervals, as this would reduce the system's life.
- Only use device indoor, avoid contact with water or other liquids.
- Avoid flames and do not put close to flammable liquids or gases.
- Always disconnect power from the mains, when device is not used or before cleaning! Only handle the power-cord by the plug. Never pull out the plug by tugging the power-cord.
- Make sure that the available voltage is not higher than stated on the rear panel.
- Make sure that the power-cord is never crimped or damaged. Check the device and the power-cord from time to time.
- Never use anything to cover the ground contact.
- Make sure that there is sufficient room on all sides of the system for air circulation.
- Avoid ground loops! Always be sure to connect the power amps and the mixing console to the same electrical circuit to ensure the same phase!
- Please turn off the power switch, when changing the power cord or signal cable.

- Make sure that the amplifier is turned down, before turning the power on or off. So you can avoid supersonic frequencies, which could damage your speakers.
- Don't put your equipment next to TV, radio, etc., because of interference or distortion.
- If you connect other parts of the system, be careful of ground loops.
- The best way to avoid ground loops is connecting the electrical system ground to one central point ("star" system). In this case the mixer can act as a central point.
- To prevent humming, please try different combinations of ground-lift or connect all chassis to the system ground, either by a power cable or frontcover rack screws.
- Before changing the ground, always turn off your amplifier.
- Please read this manual carefully and keep it for future reference. Remember that the amplifier has a better value on the market, if you save the carton and all packing materials.
- Prevent distortion! Make sure that all components connected to the MA15 have sufficient power ratings. Otherwise distortion will be generated because the components are operated at their limits.
- Make sure you don't use the wrong kind of cables or defective cables.
- Make sure that signals into the mixer are balanced, otherwise hum could be created.
- If device is dropped or struck, disconnect mains power supply immediately. Have a qualified engineer inspect for safety before operating.
- If the device has been exposed to drastic temperature fluctuation (e.g. after transportation), do not switch it on immediately. The arising condensation water might damage your device. Leave the device switched off until it has reached room temperature.
- If your Dap Audio device fails to work properly, discontinue use immediately. Pack the unit securely (preferably in the original packing material), and return it to your Dap Audio dealer for service.
- Allow time to cool down, before cleaning or servicing.
- For replacement use fuses of same type and rating only.
- This device falls under protection class I. Therefore it is essential to connect the yellow/green conductor to earth.
- Repairs, servicing and electric connection must be carried out by a qualified technician.
- WARRANTY: Till one year after date of purchase.

OPERATING DETERMINATIONS

This device is not designed for permanent operation. Consistent operation breaks will ensure that the device will serve you for a long time without defects.

If this device is operated in any other way, than the one described in this manual, the product may suffer damages and the warranty becomes void.

Any other operation may lead to dangers like short-circuit, burns, electric shock, lamp explosion, crash etc. You endanger your own safety and the safety of others!

Improper installation can cause serious damage to people and property !

Description of the device

Features

The MA15 is an amplifier from DAP Audio.

- 2 mic, 1 aux input
 - Two unbalanced 6.3 mm jack inputs mic sensitivity
 - One auxiliary RCA mono input
 - Final stages completely protected thermal shut down and short protection.
- Dual power supply in alternating current (AC 115V or 230V) power supply in direct current (DC 12V)

Overview

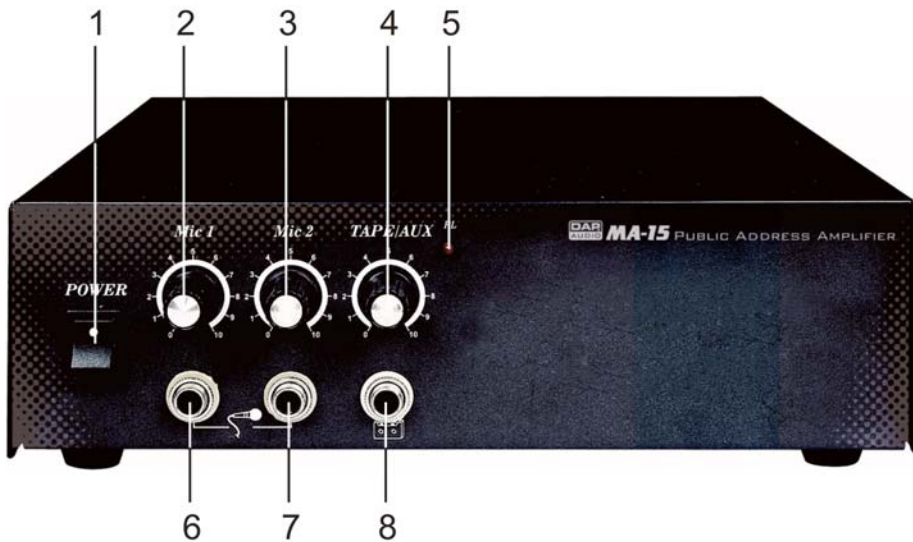


Fig. 1

- 1) Power-Switch
- 2) Mic 1
- 3) Mic 2
- 4) TAPE / AUX
- 5) PL (Polit) LED
- 6) Mic 1 Phone Jack
- 7) Mic 2 Phone Jack
- 8) TAPE / AUX Phone Jack

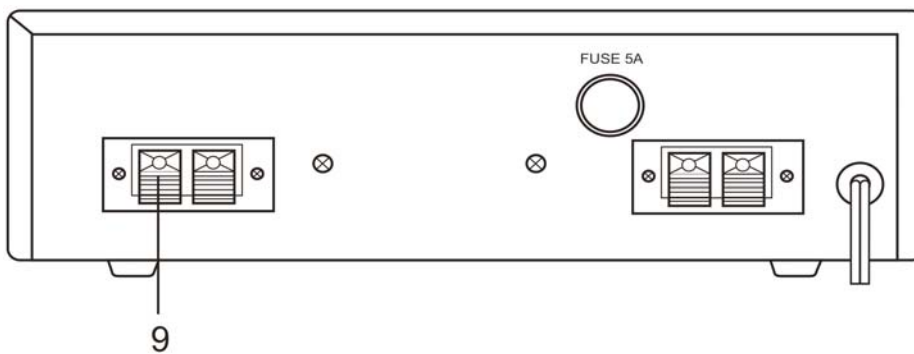


Fig. 2

- 9) HiFi Loud Speaker Terminal

Installation

MA15 Installation

Remove all packing materials. Check that all foam and plastic padding has been removed. Connect all cables.

Always disconnect from electric mains power supply before cleaning or servicing. Damages caused by non-observance are not subject to warranty.

Set Up and Operation

Before plugging the unit in, always make sure that the power supply matches the product specification voltage. Do not attempt to operate a 120V specification product on 240V power, or vice versa. Do not supply power before all components of the system are set up and connected properly.

Low Impedance Speaker Output: 4Ω

The low impedance 4Ω terminal is for connecting of a few large-output speakers, when constant-voltage speaker systems are unnecessary or the distance between the amplifier and the speakers is below 50m. The total speaker load impedance must be matched to the output impedance (4Ω) of the amplifier for the most efficient power-transfer.

Be sure that total impedance of speakers is above 4Ω however; do not raise the amplifier's output power above the allowable input power of the speaker. If the amplifier's output power should be raised above the maximum, the speakers could be damaged.

LOW IMPEDANCE OUTPUT

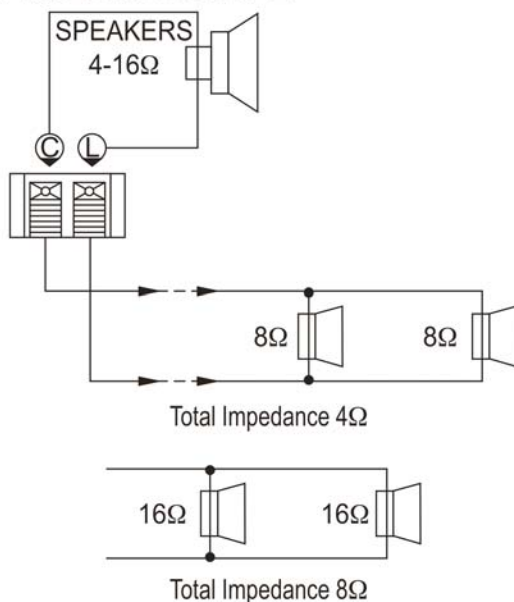


Fig. 3

Connection Input

The balanced phone jack inputs have a nominal impedance of 20 KΩ (10KΩ with unbalanced wiring) and will accept the line level output of most devices. The correct input depends on 2 factors: (1) whether the input signals are balanced or unbalanced, and (2) whether the signal source floats or has ground reference. Figures provide examples of recommended connection techniques for each type of signal source. The optional connector is shown.

Set Up Example

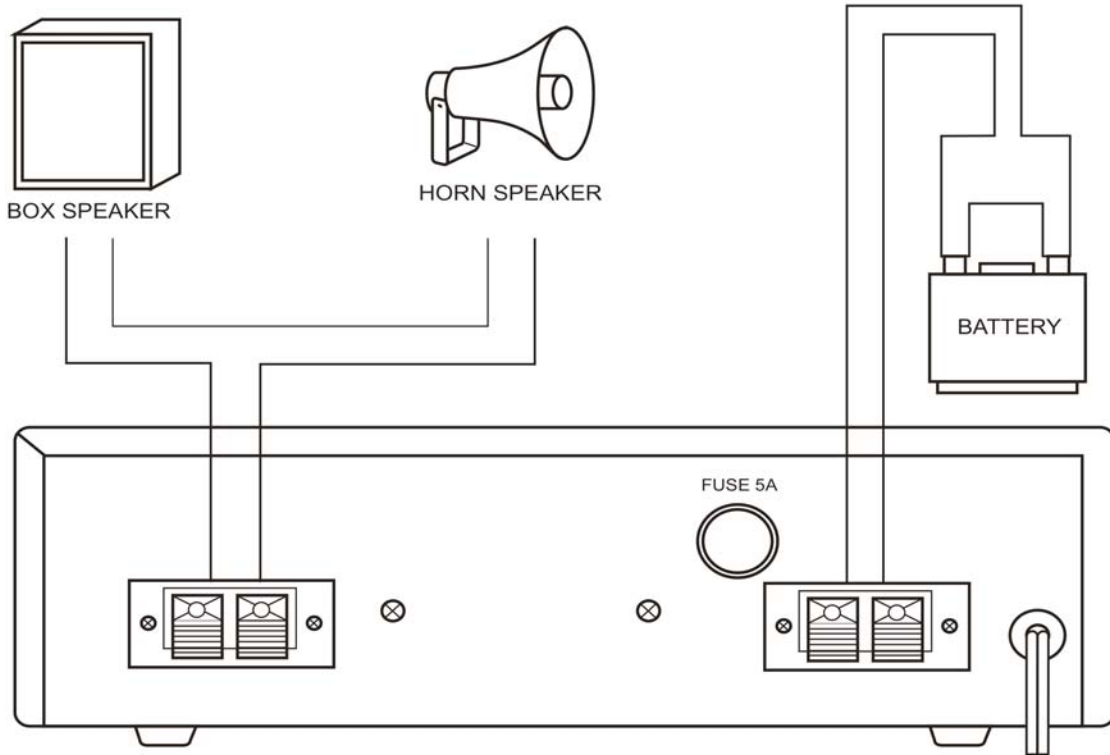


Fig. 4

Schematic Diagram

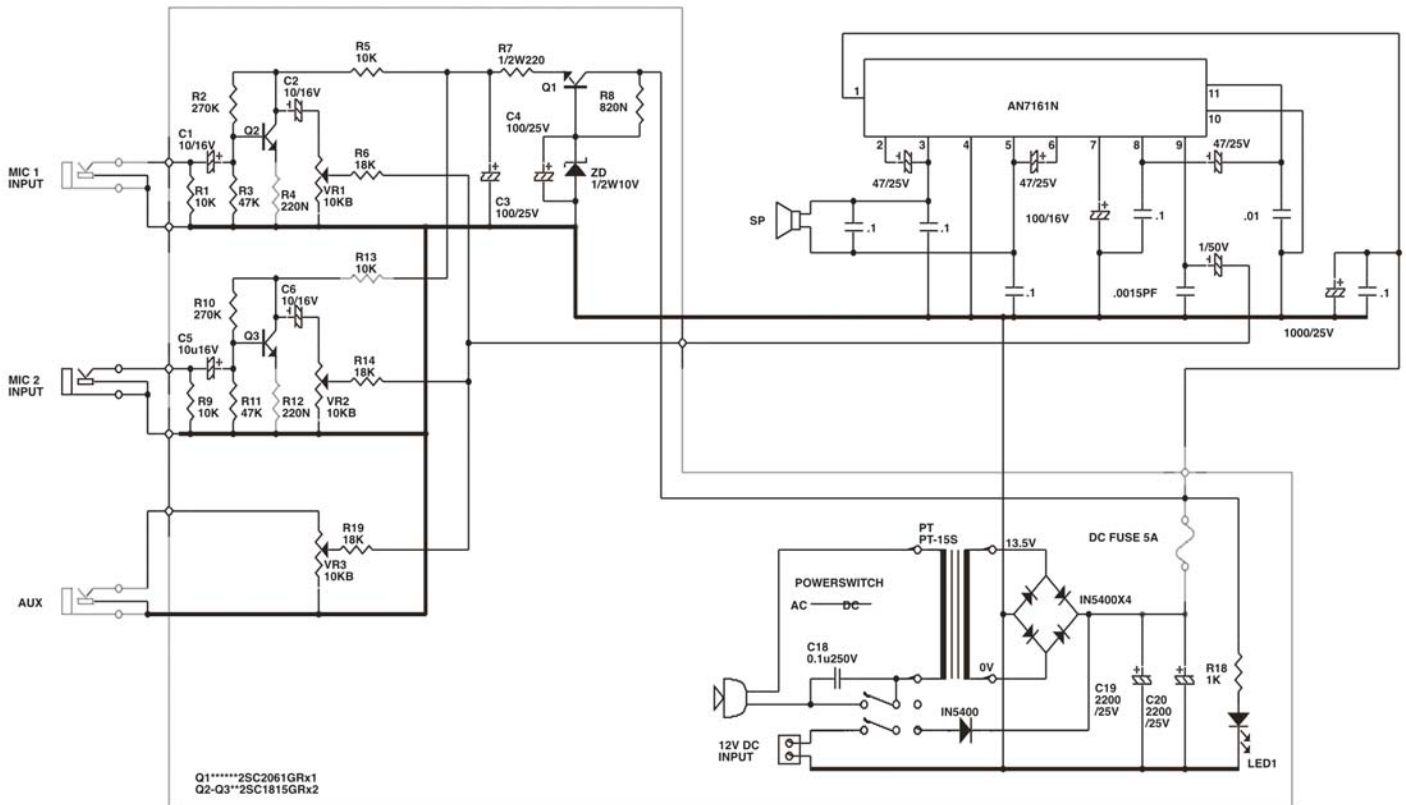


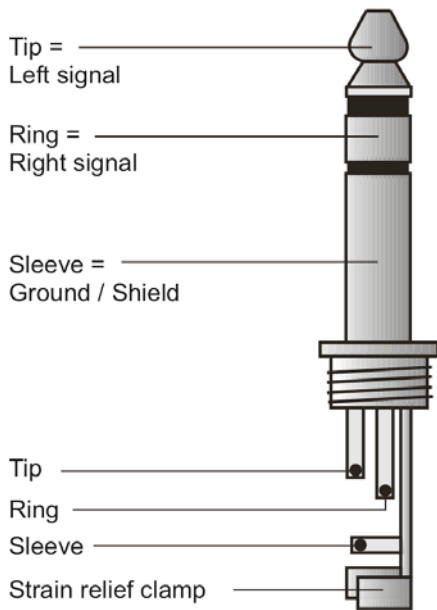
Fig. 5

Connection Cables

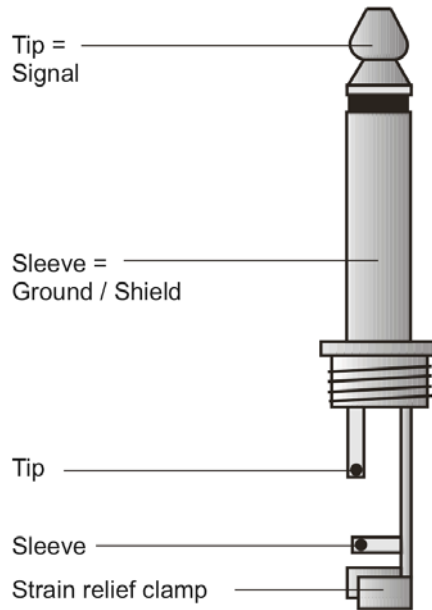
Take care of the connector cables, always holding them by the connectors and avoiding knots and twists when coiling them: This gives the advantage of increasing their life and reliability, which is always to your advantage.

Periodically check that your cables are in good condition, that they are correctly wired and that all their contacts are perfectly efficient: a great number of problems (faulty contacts, ground hum, discharges, etc.) are caused entirely by using unsuitable or faulty cables.

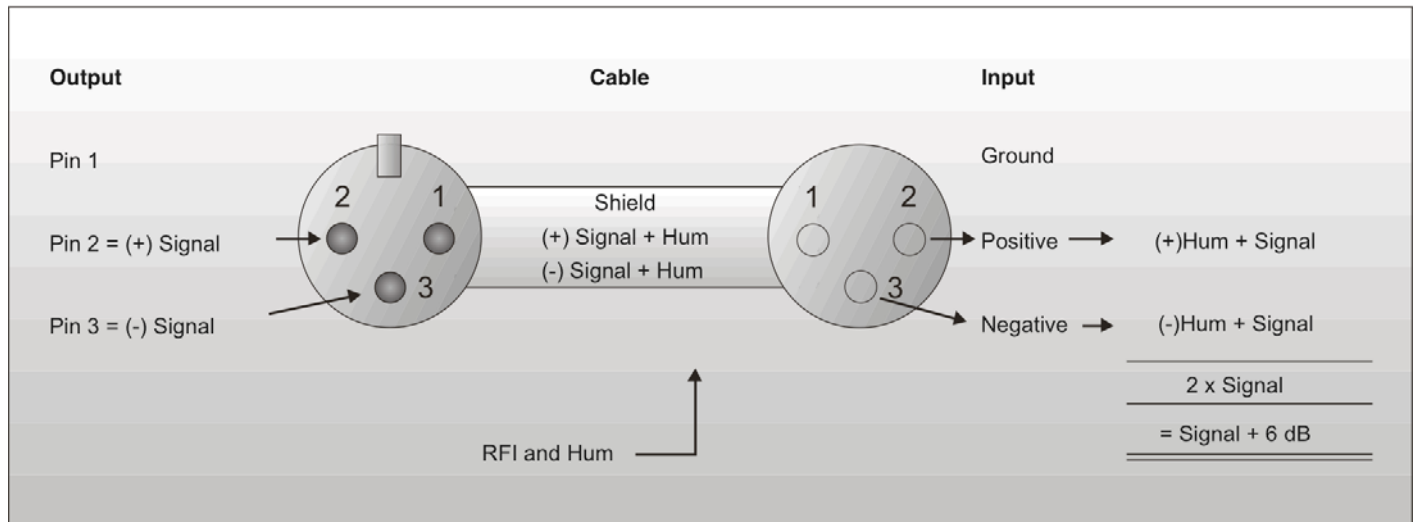
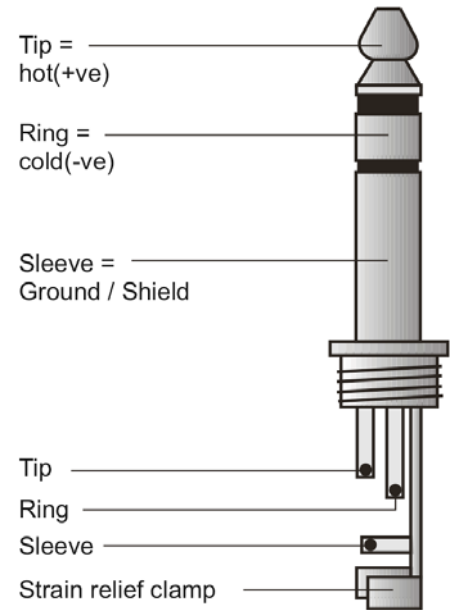
Headphones



Unbalanced mono 1/4" jack plug

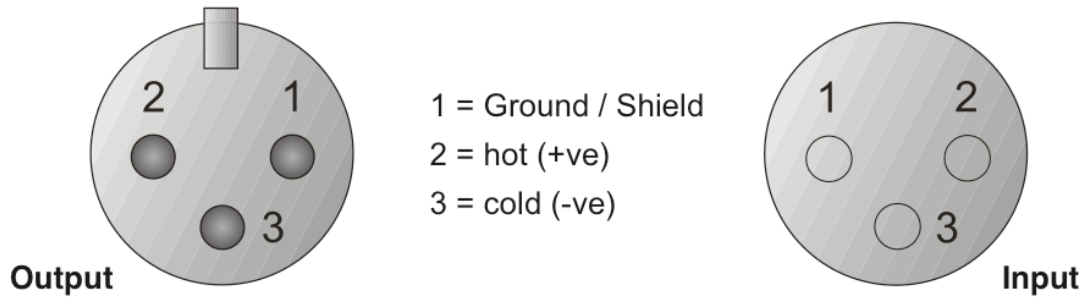


Balanced mono 1/4" jack plug



Compensation of interference with balanced connections

Balanced use with XLR connectors



For unbalanced use PIN 1 and PIN 3 have to be bridged

Maintenance

The Dap Audio MA15 requires almost no maintenance. However, you should keep the unit clean. Disconnect the mains power supply, and then wipe the cover with a damp cloth. Do not immerse in liquid. Do not use alcohol or solvents. Keep connections clean. Disconnect electric power, and then wipe the audio connections with a damp cloth. Make sure connections are thoroughly dry before linking equipment or supplying electric power.

Troubleshooting

DAP Audio MA15

This troubleshooting guide is meant to help solve simple problems.

If a problem occurs, carry out the steps below in sequence until a solution is found. Once the unit operates properly, do not carry out following steps.

1. If you experience low output or no output at all, unplug the amplifier immediately.
2. Check power from the wall, all cables, the fuse, etc.
3. If all of the above appears to be O.K., plug the unit in again.
4. If nothing happens after 30 seconds, turn off the amplifier and unplug the device.
5. Return the machine to your DAP Audio dealer.

Product Specifications

Model: DAP Audio MA15

Power Supply: AC or DC 12V

Power Output: 15W RMS

Frequency Response: 100Hz-20KHz

Harmonic distortion: <1%

Inputs: MIC-1, MIC-2 (-45dB) 10 K Ω

AUX (-22dB) 10 K Ω / 50 K Ω

Output: COM 4 Ohm

Controls: 3 volume controls, 3x 6.3mm jack and 1 power switch

Dimensions : 240 x 220 x 78 mm (LxWxH)

Weight : 2,21 kg

Design and product specifications are subject to change without prior notice.





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