



MODEL A95UF LINE MATCHING TRANSFORMER

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The Shure Model A95UF is a reversible line matching transformer that can match low impedance microphones to high impedance inputs, or match high impedance microphones to low impedance inputs. The A95UF lets you use long runs of cable with either low impedance or high impedance microphones. However, when connecting the high impedance end of the A95UF to a high impedance microphone, the cable should be no more than 4.6 m (15 ft.) long. The A95UF prevents high frequency attenuation, level loss, and pickup of noise or hum.

The A95UF can be configured for two low impedance settings: 19Ω to 75Ω , or 75Ω to 300Ω . As supplied, the low impedance end is configured for 75Ω to 300Ω .

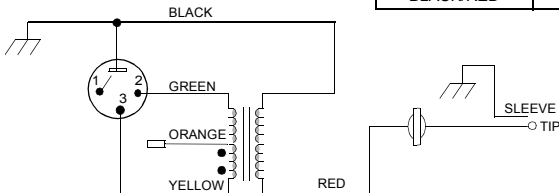
The A95UF is furnished with a female XLR connector at the low impedance end, and a standard 1/4-inch phone plug and a phone jack adapter at the high impedance end.

LOW IMPEDANCE SELECTION

As supplied, the low impedance end of the A95UF is configured for use with inputs rated at 75Ω to 300Ω . To reconfigure the low impedance end for inputs rated at 19Ω to 75Ω , refer to the figure below and proceed as follows:

1. Remove the low-impedance plug element by turning the screw counterclockwise and withdrawing the element from the case.
2. Unsolder the YELLOW lead from pin 3 and insulate the bare wire at the end of the lead with the insulator from the ORANGE lead.
3. Solder the ORANGE lead to pin 3.
4. Rotate the plug element three turns to twist the leads, and replace the element in the housing. Reinstall the screw by turning it clockwise.

IMPEDANCE	
GREEN/ORANGE	19-75 Ω
GREEN/YELLOW	75-300 Ω
BLACK/RED	HIGH



SPECIFICATIONS

Frequency Response

20 Hz to 20 kHz. Response at 20 Hz no more than 3 dB down from flat.

Impedance

Green/Orange winding: Low Z (19 to 75 Ω)

Green/Yellow winding: Low Z (75 to 300 Ω)

Black/Red winding: High Z (41,000 Ω)

DC Resistance

Green/Orange winding: 37.5 Ω

Green/Yellow winding: 75 Ω

Black/Red winding: 4300 Ω

Voltage Ratio

Low to High Impedance: +28 dB at 19 Ω to 75 Ω

+22 dB at 75 Ω to 300 Ω

High to Low Impedance: -28 dB at 19 Ω to 75 Ω

-28 dB at 75 Ω to 300 Ω

Maximum Recommended Input Levels

Mic/Input Impedance	A95UF Winding	Max. Level
33 Ω	Green/Orange (19 Ω to 75 Ω)	0.5 V
200 Ω	Green/Yellow (75 Ω to 300 Ω)	1. V
600 Ω	Black/Red	10.0 V
5,000 Ω	Black/Red	10.0 V
33,000 Ω	Black/Red	10.0 V

Case

Full magnetic shield; steel with gray enamel finish

Dimensions

19 mm (0.75 in.) diameter; 89 mm (3.5 in.) long without adapters

GUARANTEE

This Shure product is guaranteed in normal use to be free from electrical and mechanical defects for a period of two years from date of purchase. Please retain proof of purchase date. This guarantee includes all parts and labor. This guarantee is in lieu of any and all other guarantees or warranties, express or implied, and there shall be no recovery for any consequential or incidental damages.

SHIPPING INSTRUCTIONS

Carefully repack the unit, have it insured and return it prepaid to:

**Shure Incorporated
Service Department
5800 W. Touhy Avenue
Niles, IL 60714-4608**

If outside the U.S.A., return the unit to your dealer or Authorized Shure Service Center for repair. The repaired unit will be returned to you prepaid.



***SHURE Incorporated Web Address: <http://www.shure.com>
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Elsewhere, Phone: 847-866-2200 Fax: 847-866-2585***