



Model A95UF User Guide

MODEL A95UF LINE MATCHING TRANSFORMER

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 .

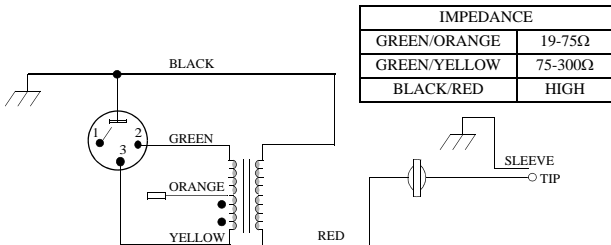
The A95UF is furnished with a female XLR connector at the low impedance end, and a standard 1/4-inch phone plug and a phone jack adapter at the high impedance end.



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.



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)	1.0 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

FULL TWO YEAR WARRANTY

Shure warrants this product to be free in normal use of any defects in workmanship and materials for two (2) years from the date of purchase. If your Shure product fails within this period, call 1-847-600-8699 in the United States for details on repair, replacement, or refund. This warranty does not cover abuse or misuse of the product, use contrary to Shure's instruction, ordinary wear and tear, an act of God or unauthorized repair.



SHURE Incorporated <http://www.shure.com>
United States, Canada, Latin America, Caribbean:
5800 W. Touhy Avenue, Niles, IL 60714-4608, U.S.A.
Phone: 847-600-2000 U.S. Fax: 847-600-1212
Intl Fax: 847-600-6446
Europe, Middle East, Africa:
Shure Europe GmbH, Phone: 49-7131-72140
Fax: 49-7131-721414
Asia, Pacific:
Shure Asia Limited, Phone: 852-2893-4290
Fax: 852-2893-4055