Sennheiser MKE 2 wiring for Shure bodypacks

There are two methods to wire a Sennheiser MKE 2 to a Shure bodypack. The first method is the standard method. The second method provides an output that is 10 to 14 dB greater than the first method. Most applications should use the first method.

Method 1 - Typical Wiring

To make this modification it is necessary to remove the connector or preamp attached to the microphone cable. This will require disassembling the connector or pre-amp and unsoldering the attached cable or simply cutting off the cable at the strain relief. Once this is accomplished, the following colour codes configuration can be applied to equip the exposed cable with a Switchcraft TA4F connector for mating with the Shure wireless transmitter.

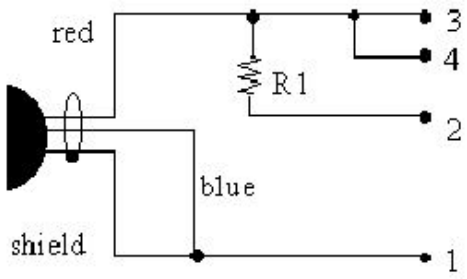
Mic	--->	**Transmitter**
Red Wire	--->	Pin 2
Blue Wire	--->	Pin 3 and Pin 4
Shield	--->	Pin 1

Method 2 - Amplified Wiring

Per Sennheiser's Service Department, any Sennheiser MKE 2 microphone that is factory supplied without a connector (pigtailed cable) can be connected to a Shure transmitter using the following diagram. This wiring scheme provides an output level that is 10 to 14 dB greater than the typical wiring scheme.

Note: This circuit may not work if the MKE 2 is supplied with a connector by Sennheiser. MKE 2 units with factory supplied connectors may be wired differently within the capsule.

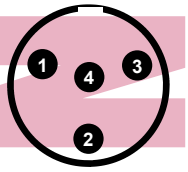
The following colour code configuration can be applied to equip the pigtailed cable with a Switchcraft TA4F connector for mating with the Shure wireless transmitter.



R1 = 8.2k Ohms, 1/8 Watt
The resistor should fit inside of the TA4F.
The jumper is required between Pin 3 and Pin 4 to set the correct input impedance (20kΩ).

Connector

The mating connector for the Shure wireless transmitters is a Switchcraft TA4F.



TA4M
Transmitter View

PIN 1 = cable shield/ audio return/ bias return
PIN 2 = +5V DC Bias
PIN 3 = audio input for dynamic mics or instruments
PIN 4 = 20kΩ resistor to ground jumpered to pin 3 for condenser mics

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