

# WESTNAV

# Audi

## Sound Output

## Trouble Shoot Manual



## Extra sound line planning instructions for the installer (version 04/2022)

**Please carefully read the diagrams that follow.** Choose External Audio Source in the Audi MMI system's Media section. MIB radios lack an AMI port, but they do include two USB and an Aux port. You don't need to connect, code, or change anything.

### **3G MMI/MIB with AMI**

**a AND b ARE NOT USED FOR FACTORY AUDIO. DO NOT CONNECT ANYTHING UNLESS YOU NEED THEM FOR AFTERMARKET RADIO. (3G MMI only)**



a is for aftermarket radio with digital inputs

b is for aftermarket radio with analog stereo input

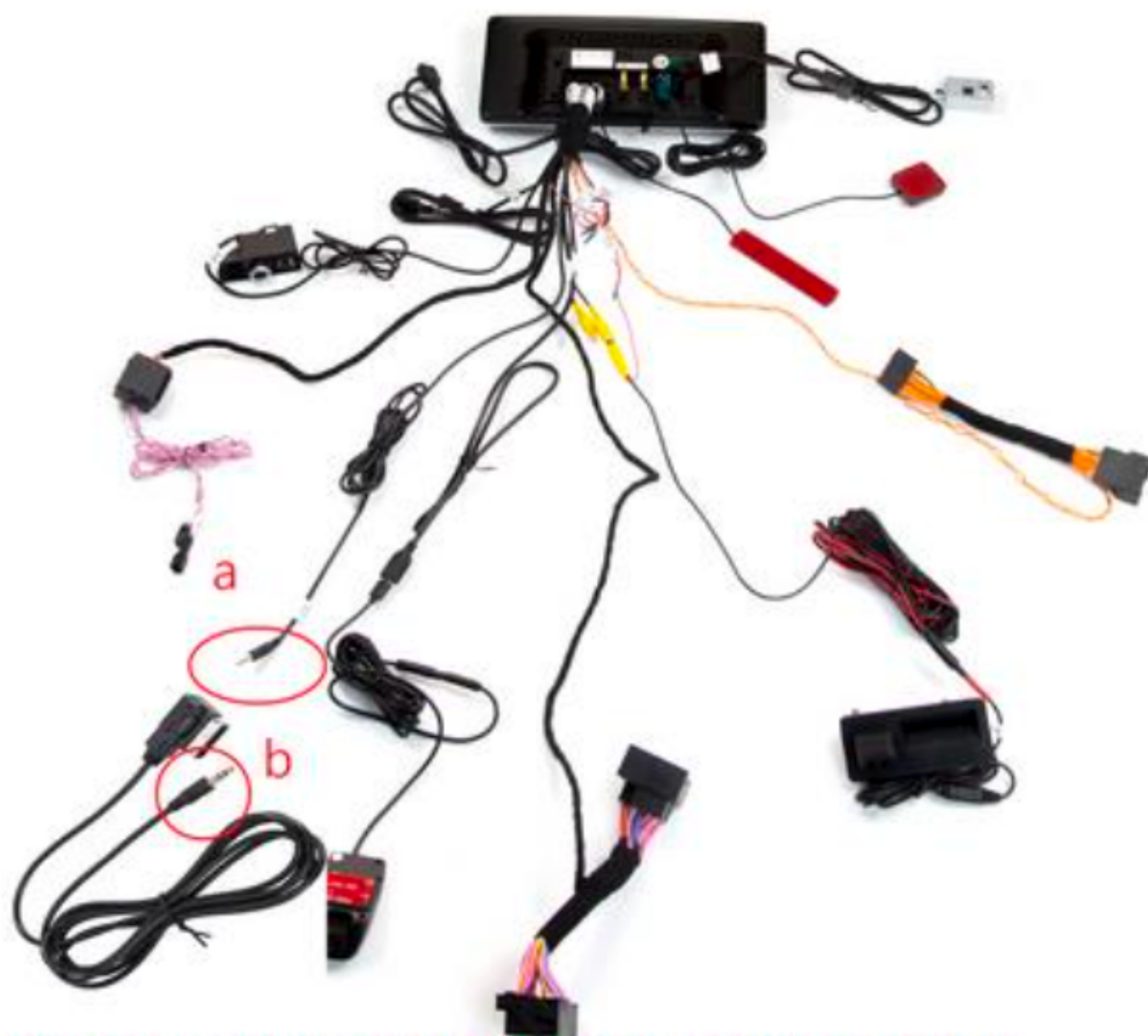
Never connect b and c together, that will be redundant connection and it will degrade sound quality a lot without bass at all.

d requires to be connected to AMI port. c is not required to be connected at all

**Avoid connecting the audio plug of the AMI to AUX converter to the WESTNAV S4's audio output.**

That creates a duplicate loop in the audio circuit, which lowers sound quality and eliminates bass.

## Radio Concert/Symphony



Connect  
Aux here.



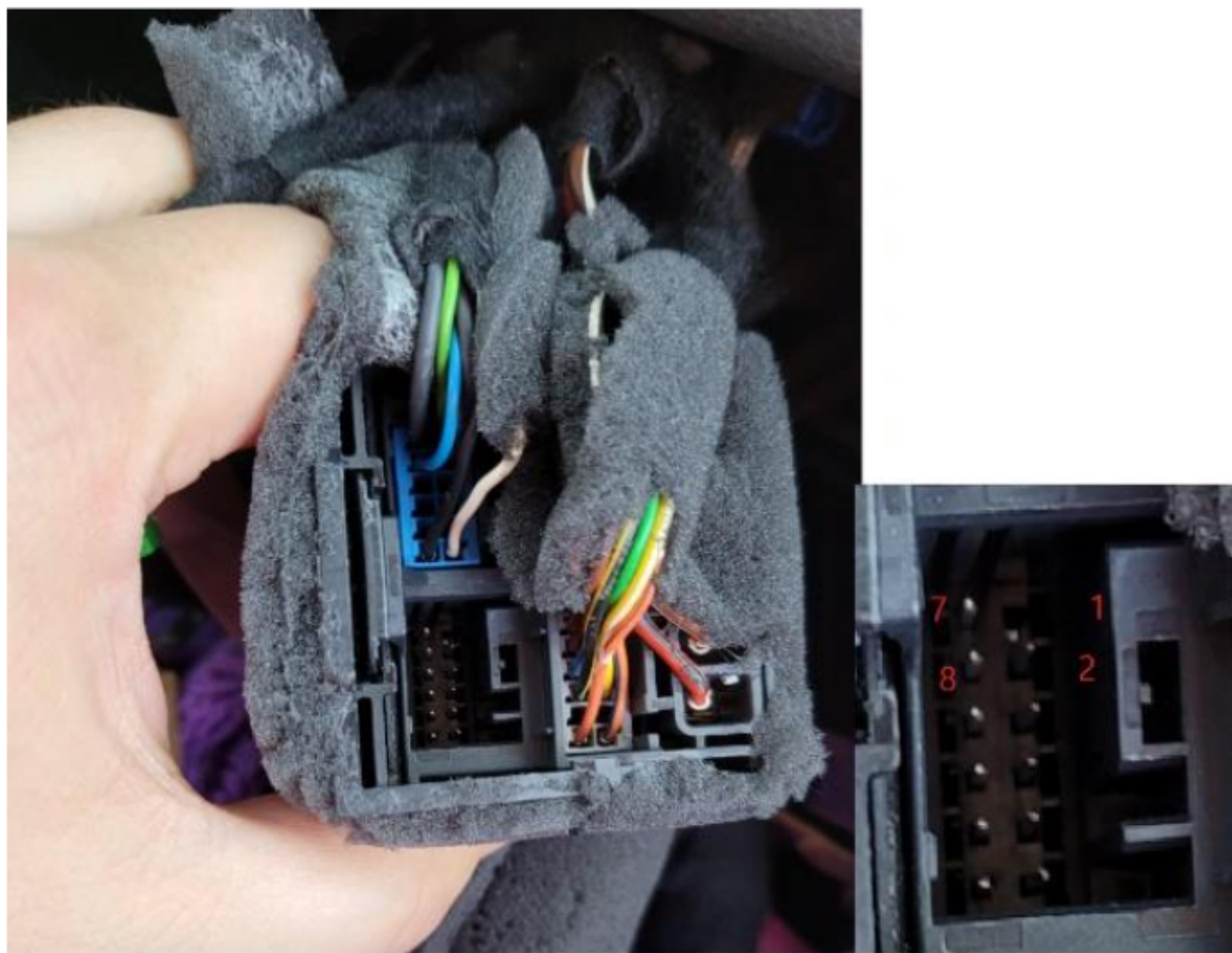
Connect AMI to AUX here

Only for concert/symphony radio a and b need to be connected. use double female 3.5mm audio aux adaptor. No coding for these radio.

*AMI, as opposed to 3G MMI, can be linked to an Aux converter by means of the male audio connection. You will be utterly silent without it. Remember that if S4 sounds like an old AM radio, it means that the frequencies are being affected by a loop connection. A misbalanced sound indicates a faulty pin connection. The primary **WESTNAV** S4 connector or the quad lock plug may be the cause.*

**FAQ:** Is the sound uneven or am I only missing one channel? Verify PINs!

The image below illustrates how PIN 1 was broken.



- 1. Audio ground
- 2. Audio Right Channel
- 7. Audio left channel
- 8. Audio shielding

**Optional:** Using S4 TOSLINK out put with Toslink to AUX DAC for aftermarket installation or factory equipment eliminating any change to ground interference.

**Recommended DAC:** 192Khz DAC with Volume Control Knob (<\$30 USD)



Below image: The optional sound routing shown above requires a T-harness adjustment.

