

Renault Espace Panasonic SCU-2056 ZRN2

Connecting any device to the AUX input

To make a connected device work correctly, it has to be able to generate the standard Panasonic digital code. This enables the Panasonic to know the bus number of the device and to control it via the central processor. This is obviously impossible because there are no modern devices available !

Solution

1. Connect the MP3 player to the AUX input The audio signal will be heard at the same time as the other signals such as Radio or CD.
2. To just hear the MP3 player it is necessary to silence (MUTE) the Radio input. When the Panasonic selects CD it also short-circuits the Radio and Tape/Aux input. This does not happen when Radio is selected and an input signal is applied to AUX.

Problems

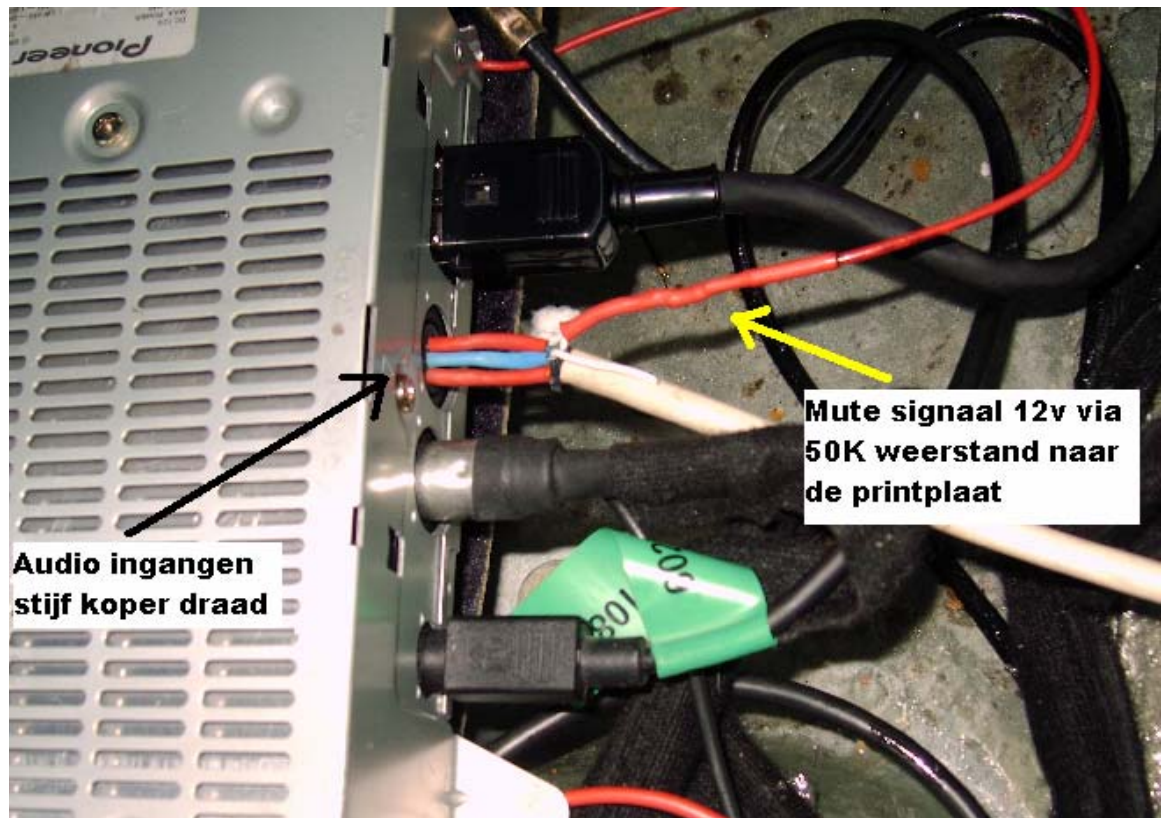
1. De AUX connector with 13 pins is only available from Maplin in England



2. The Radio 'MUTE' connection is not available via any of the connections.

Solutions

1. Don't use a connector. There are only 3 connections to be made, (L, R, and Earth). Just solder 3 pieces of stiff copper wire onto the audio cable from the MP3 player, and plug them in to the socket directly.



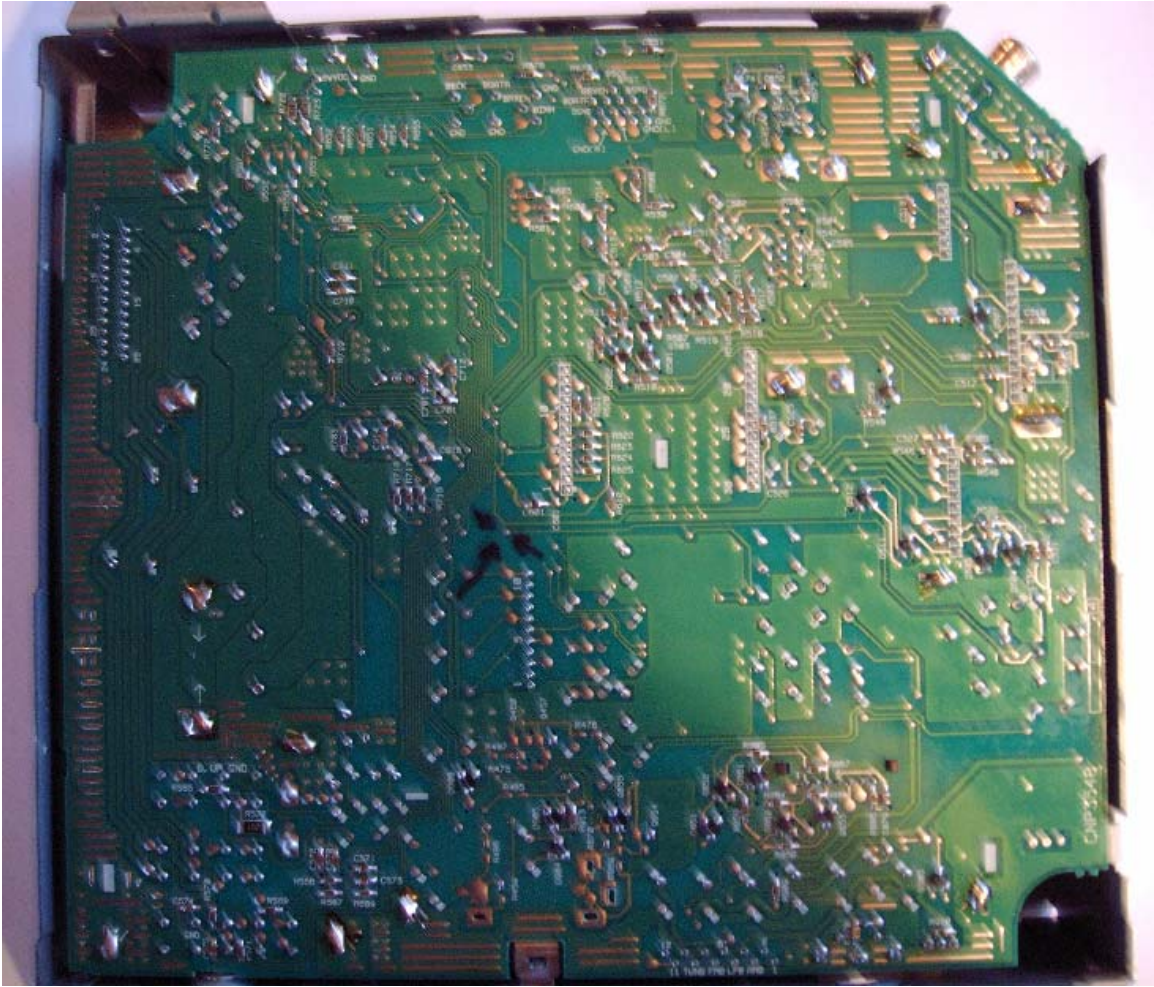
Audio ingangen..... = Audio input using stiff copper wire

Mute signal via= Mute signal to Radio MUTE via a 50K resistance soldered directly onto the circuit board.

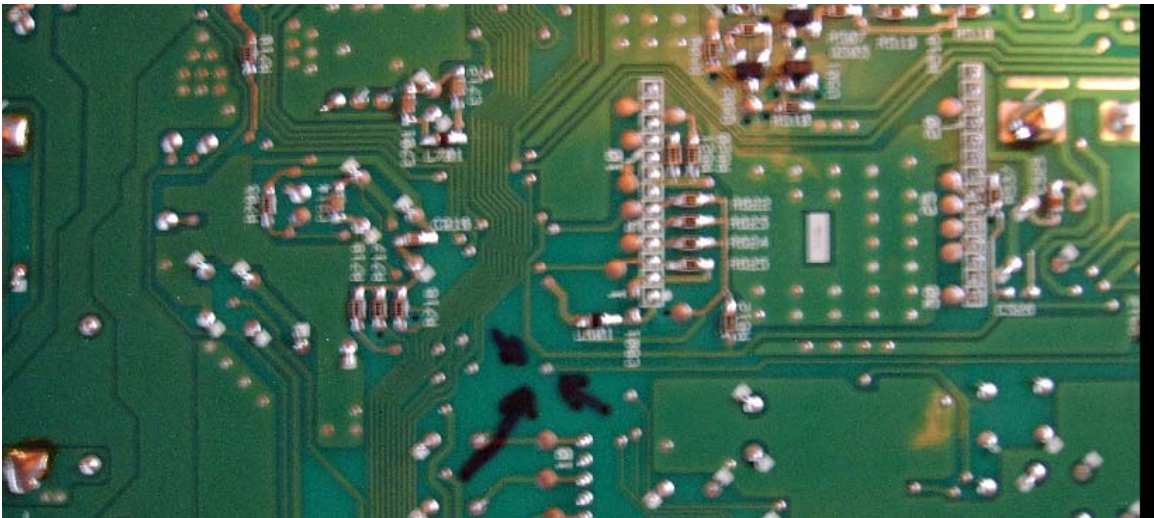
How it works

When the MP3 player is switched on with Radio selected on the Panasonic, (you can never select TAPE/AUX), you will hear it at the same time as the radio ! To silence the radio you need to apply +12v to the new MUTE line.

2. When this point rises above 5v, the Radio Input is short-circuited by 2 transistors.



To be able to use a 12v supply from the MP3 player, a 50k resistance is placed in series .



Result

Everything works perfectly. Most Audio devices have a switched + 12V output when they are turned on, but if not, it is easy to generate a 12v signal when you wish to hear the MP3 player instead of the Radio.