

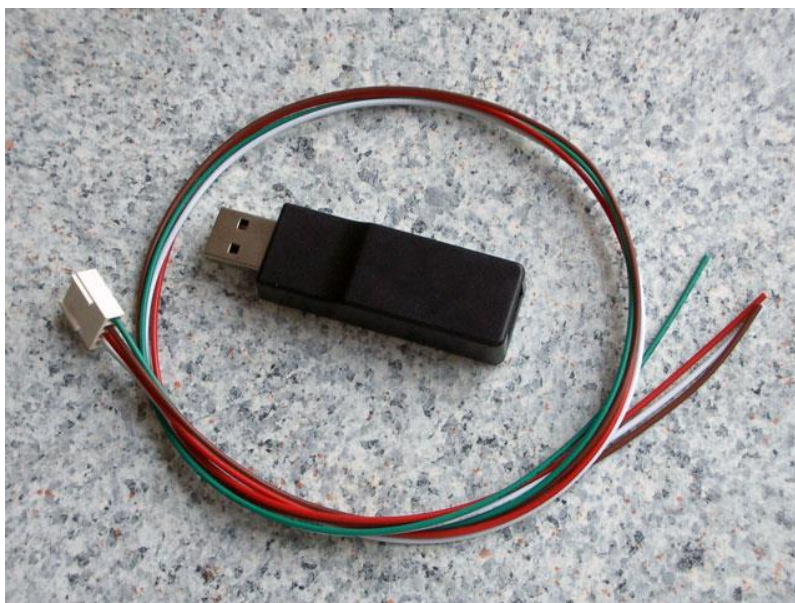
**The E39 forum and the author assume no liability for these instructions!**

**Work on - and in the car - is at your own risk...**

**Improperly executed work can have a negative effect on safety-relevant functions of the car  
and the safety of the passengers.**

**Improper work on the electrical / electronic equipment can lead to further problems  
and may end up with malfunctions of your car.**

## Installation instructions Resler USB interface v2.4



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Let's start with the basic question:

## 1. Why do we need a Resler USB interface?

*The interface serves as an interface to the vehicle K / I-BUS. If you have a BMW E39 and an Android navigation radio, such as the Xtrons PB7839BAP (or an Android smartphone with a USB interface) and a suitable app (e.g. the [BMW I-BUS App](#)), you can access the vehicle BUS, read and write vehicle data from the bus and use the BC functions with Android radios.*

*For connection, we have a couple of options due to the "single line BUS" design.*

*Basically, the USB interface needs three wire connections: **+12 V**, **Ground**, **I/K-Bus** [white]*

*The fourth, **green** wire is not needed, simply ignore that wire.*

### **!!!Important!!!**

**The connections must never be swapped or reversed,  
otherwise the interface will be destroyed.**

**Be sure to use a secure, reliable electrical connection.**

**We advise to refrain from so-called "wire-tap connectors".**

**The best way to connect the wires are "butt" or "solder connectors" or  
solder the wire directly with appropriate isolation.**

**The following examples show different connection options.**

**We always favor the connection directly on the radio plug!**

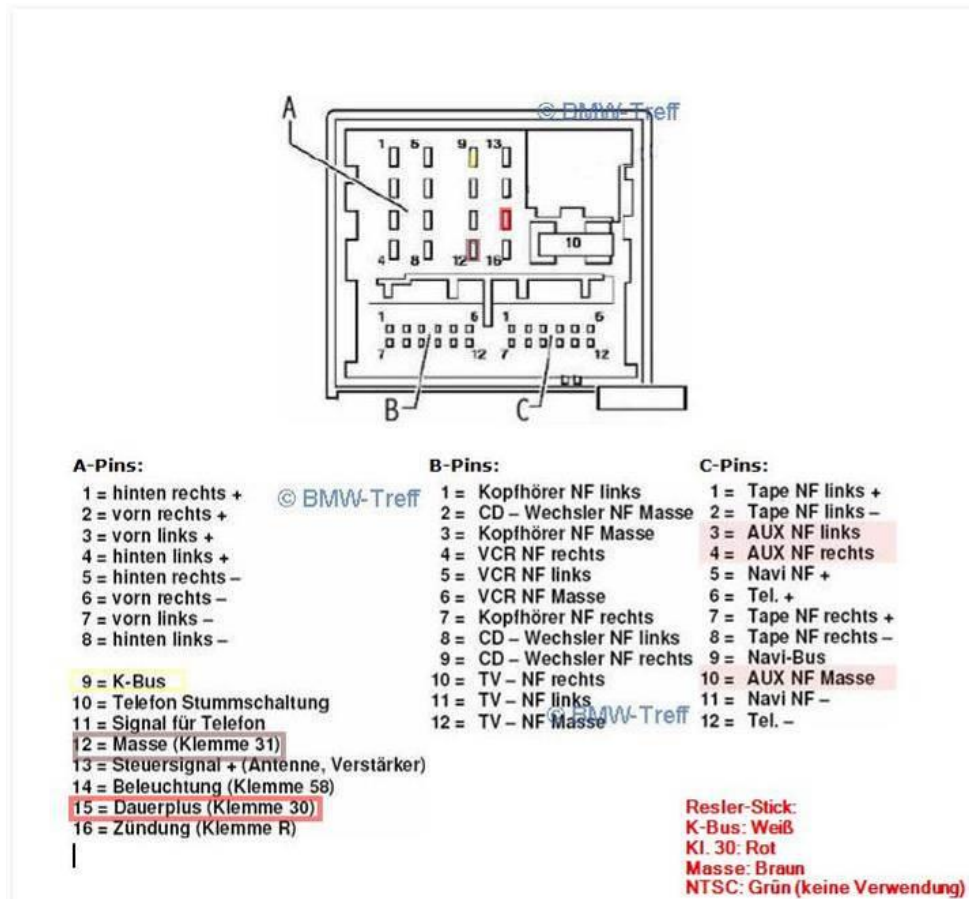
## 2. Connection to the original radio plug

The ideal connection is the adapter cable that comes with the radio.

The interface can be soldered directly on the radio connections.

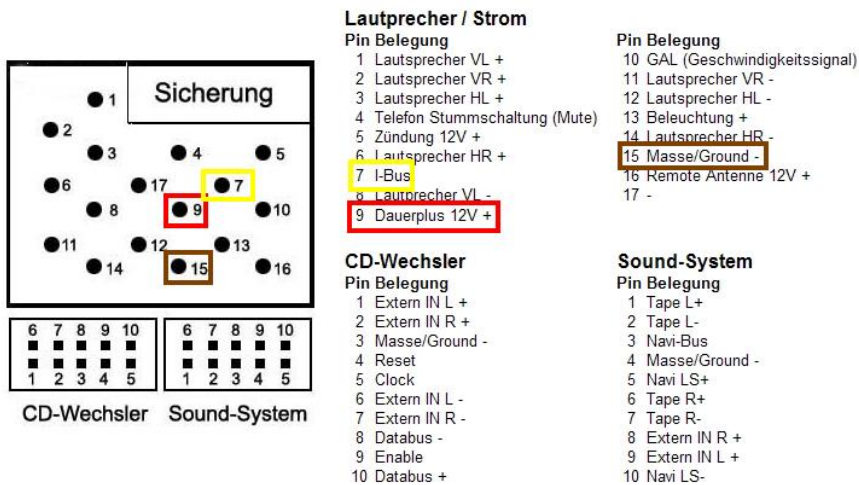
The cable colors on the adapter cable are 12 V -> **yellow**, ground -> **black** and I / K-BUS -> **green**.

Connections New Generation: Block A : PIN 9: I/K-Bus, PIN 12: Ground, PIN 15: 12V

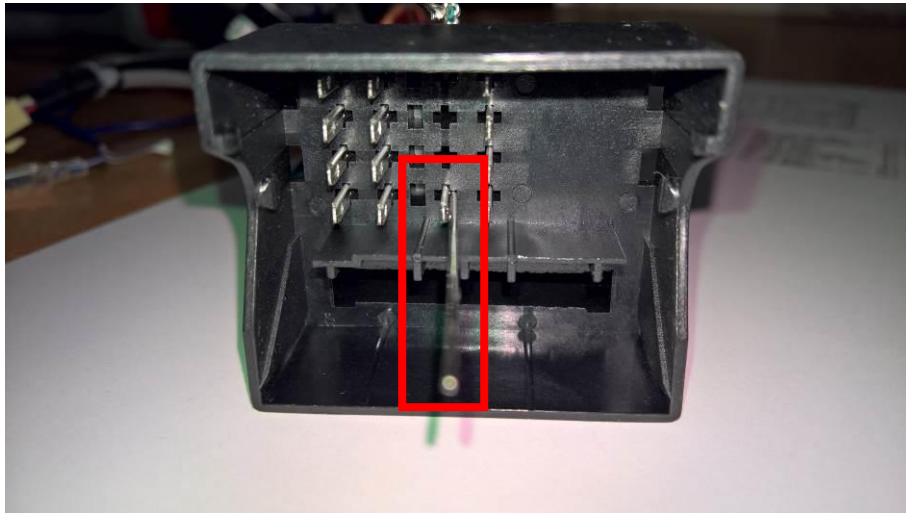


Anschlüsse Old Generation: PIN 7: I/K-Bus, PIN 15: Masse, PIN 9: 12V

Stecker vom BM24 OG Anschluss, diese Angaben sind ohne Gewähr:

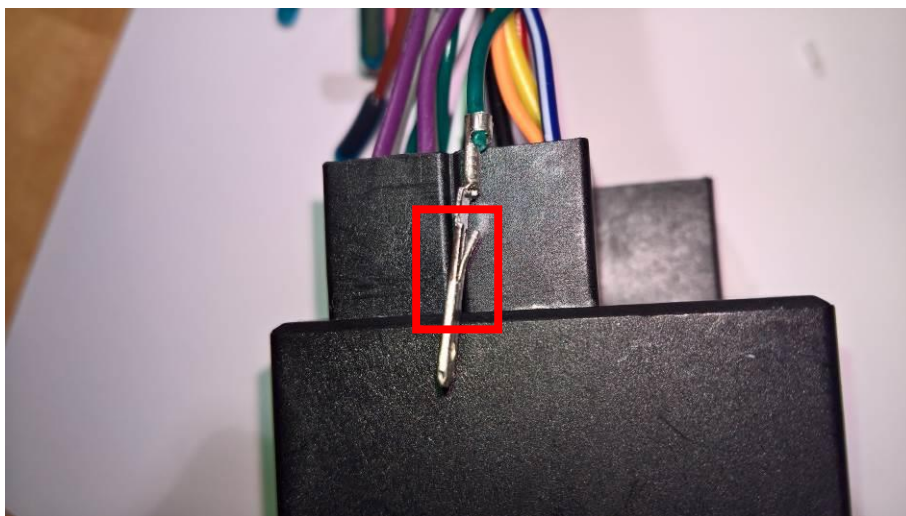


The installation is illustrated by an NG Quadlock plug.

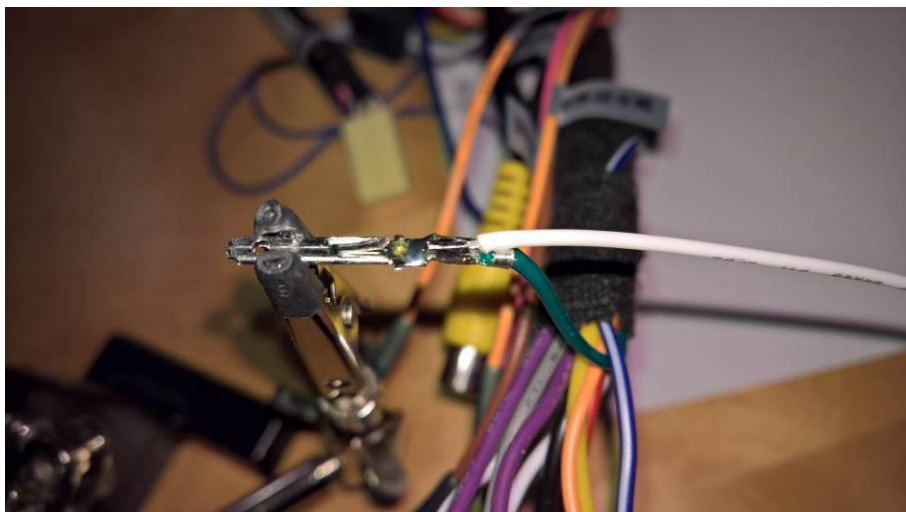


Unpin the desired PIN in the adapter cable from the front, e.g. with a needle or similar tool.

**IMPORTANT: remember the correct position!**

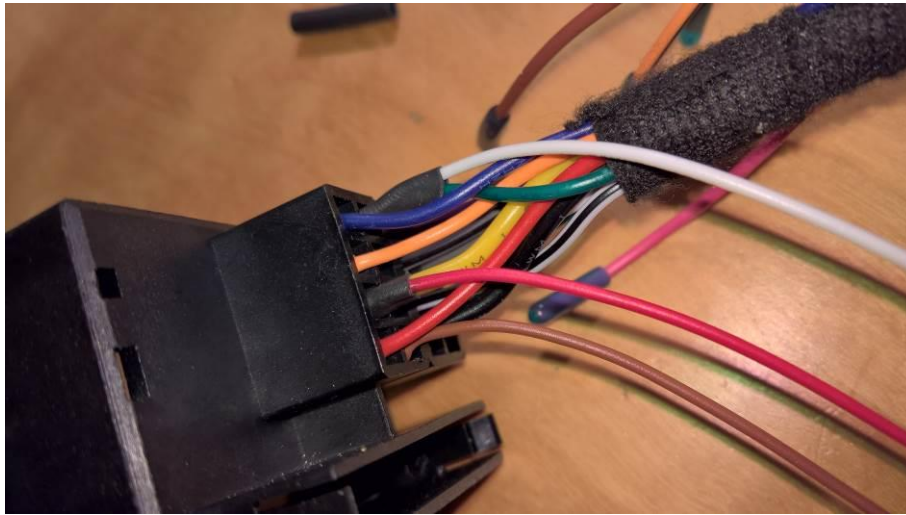


This nose has to be pushed back and slightly bent back to the original shape after unpinning.

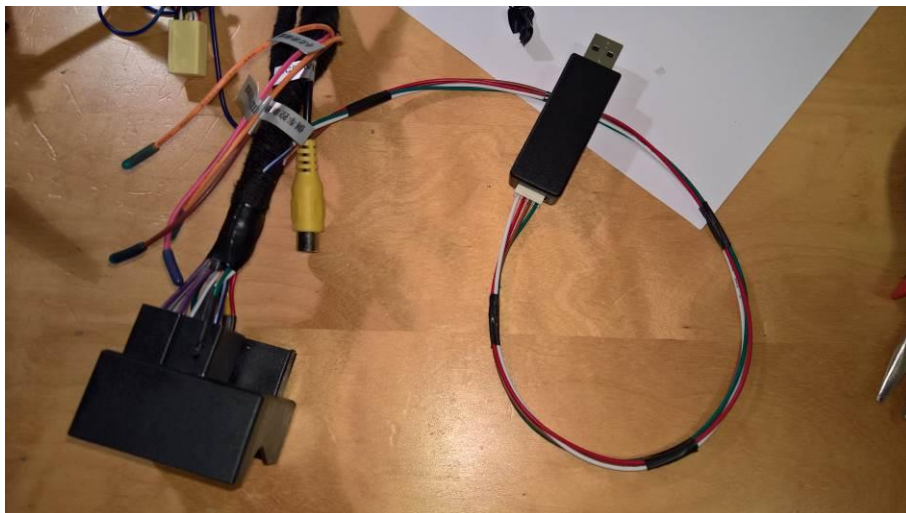


Solder and insulate the associated wire directly on the pin.





Put the Pin back in the plug.  
Repeat with the other two strands.  
Isolate the unused green wire at the free end only.



Ideally, the four loose strands are fixed every few inches with insulating tape to avoid knotting.  
That's it.  
It's ready to go back into the car now.

### 3. Mounting on the adapter wiring harness

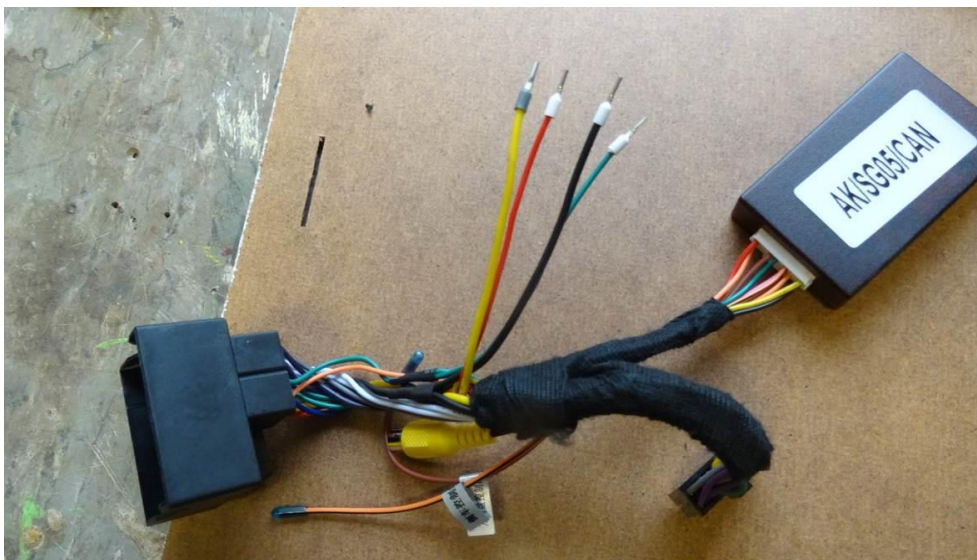
Supplement of User „[Desert Fox](#)“

The plug to be disconnected is actually a socket.

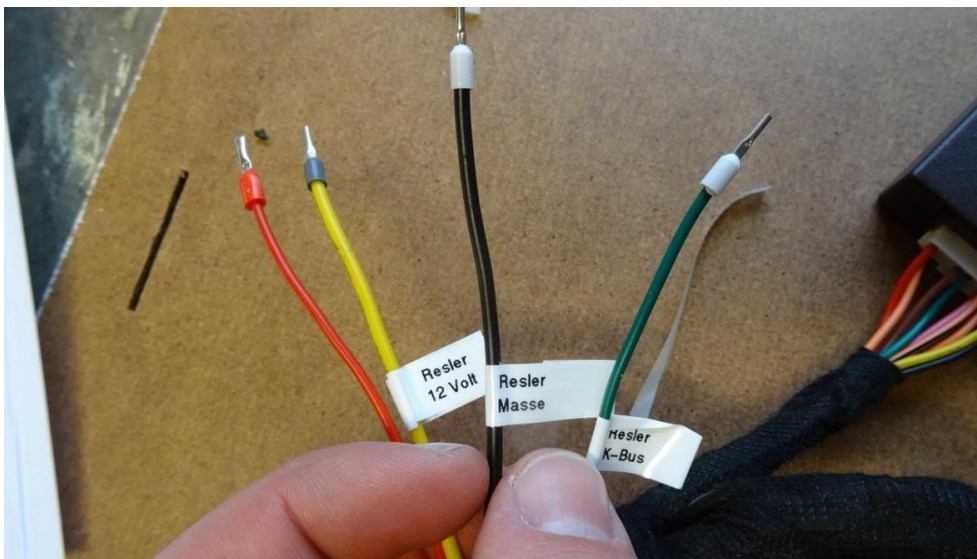
You recognize it because it has only four strands.

**Please DO NOT disconnect the main plug with 17 wires!**

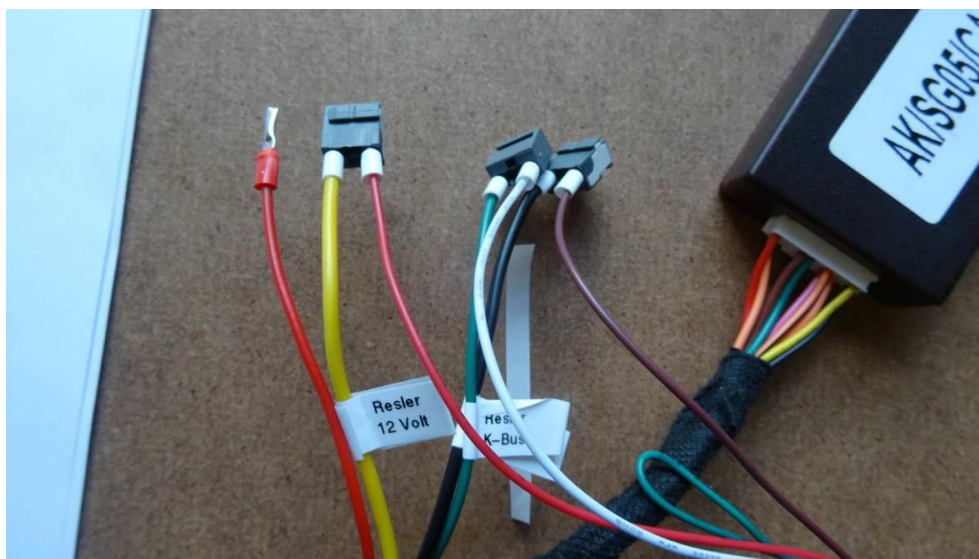
Radio Adapterkabel, hier Stecker leeres Y-Ende			Resler Interface	
Block / PIN	Funktion	Kabelfarbe	Funktion	Kabelfarbe
A / 9	I/K-Bus	green	K-Bus	white
A / 12	Ground (Terminal. 31)	Black	Ground	Brown
A / 15	12 V (Terminal 30, Permanent+)	Yellow	12V (Terminal. 30)	red
A / 16	Ignition – not used	Red		
			NTSC (not used)	green



Radio adapter cable with cut off plug of the unnecessary Y-end.  
The cable colors refer to the block / pin of the radio adapter



Cable of the cut off connector with labels for connection to the Resler interface.



Connection to the Resler interface

## 4. Connection to the MID connector

If a MID was installed previously, the easiest way to connect the interface is on this plug because it is no longer needed.

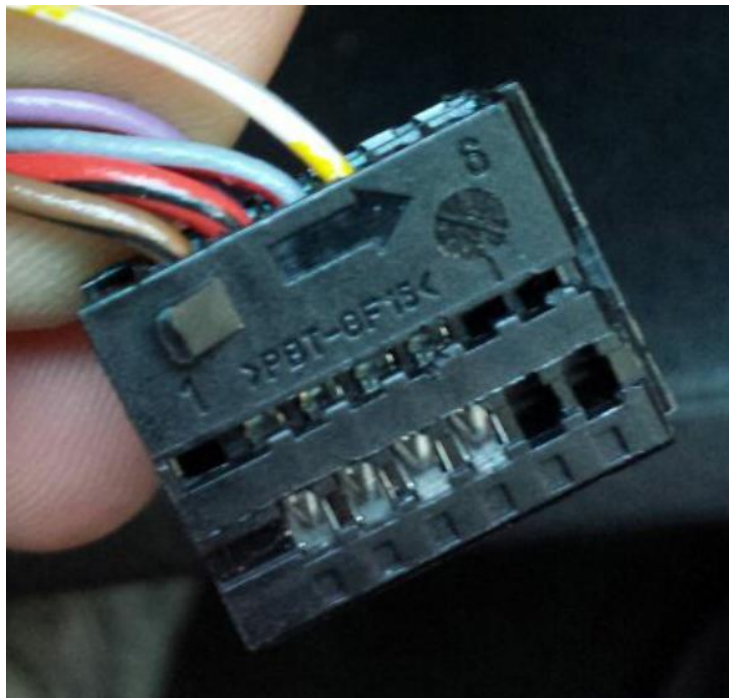
To accomplish this, the wires are best connected and fixed with suitable pin contacts.

Part-Number of a single Pin: 61131383672

PIN 1: Ground: Brown -> Brown-Black

PIN 2: 12V: Red -> Red-Black

PIN 4: I/K-Bus: White -> White-Grey-Yellow(dotted)





## 5. Connection to the blue connector of the on-board monitor

Another option is to connect the interface to the blue connector (X18801) of the on-board monitor.

The relevant cable colors are:

12 V -> red-green,

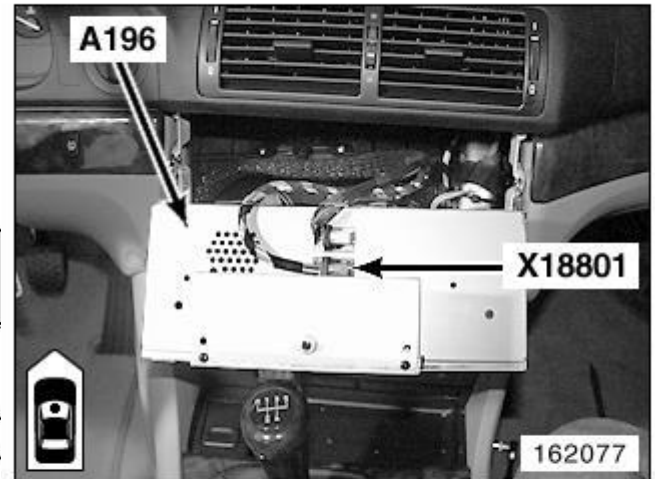
ground -> brown and

I / K-BUS -> white-gray-yellow.



E39 A196 Bordmonitor

A196, X18801



Mittelkonsole

A196	Bordmonitor
X18801	Bauteilstecker (12-polig, blau), Bordmonitor

## 6. Further connection options

In addition, the interface can also be connected anywhere where the I-bus is applied, e.g. to LCM, PDC, CD changer.

However, keep in mind that the interface has to be connected to the USB port of the radio as well.

**Good luck with the installation. 😊**

## 7. Do not forget the USB port!

An important, although absolutely logical point:

Of course, the **USB-Resler interface** must also be plugged into a **USB socket of the radio** (or smartphone / tablet)

Please do not use any USB extension cables and or USB-hubs between the radio USB Port and the interface.

**So, BOTH connections (the loose wires to the vehicle) as well as the USB connection to the Android device are absolutely necessary!**