

**Just found this on a German site..... it may help...just need to check the part numbers**

### **Original Bluetooth handsfree for Astra H & Zafira-B & other retrofit**

Here is a guide how to get the original kit from the factory as it is offered nachrüstet.

What do I need:

- 1. Original Bluetooth controller: 17 88 440 (Catalog number FOH).**
- 2. Original Microphone: 17 88 785 (Catalog number FOH).**
- 3. 32-pin connector (the same as the MID / GID / CID)**

The 32-pol. Plug to get at VW with the following order: 1J0972977D matching Pin's: 000979018A.

Pinout of the ECU to the connector Bluetooth radio:

32 pol Stecker.jpg Radio Stecker.jpg

BT ECU pin 13 to pin 9 radio connector (CAN-bus line)

BT ECU pin 14 to pin 10 radio connector (CAN-bus line)

BT ECU pin 27 to pin connector 34 Radio

BT ECU pin 11 to pin connector 40 Radio

BT ECU pin 23 to pin 11 connector Radio (Radio Mute)

32 pin BT controller continuous current with 7.5 A fuse protection. The cable can plug on radio Pin 15 abgezapft be. The radio line is fused with 20A and therefore, the 12V line to the control unit is associated with BT 7.5A hedged.

BT ECU pin 16 with ground. This pipe can also be on the radio plug connector pin 12 radio connected.

### **Microphone connector:**

BT ECU pin 25 with the white line of the original microphone connect.

BT ECU pin 9 with the black cable (shielding) combine.

The brown cable on the microphone is not needed.

Once successful, the cable control unit via BT TECH2 programmed.

### **So now for programming with the TECH2:**

**1.** The FOH elect with the TECH2 the display.

He selects programming -> Mid Speed Configuration -> UHP not available at present and programmed.

Then he selects the display under Programming -> Variant Configuration -> Universal handsfree not available at present to change and programming.

**2.** If the display is ready to elect FOH the CIM (Lenkstockmodul) to. In programming it chooses MID Speed Configuration -> UHP from absent to present and program change.

**3.** If the CIM is ready elect of FOH on the radio. In radio under Programming -> variant configuration of the universal handsfree not available at present to change and programming.

**4.** If no ECC is installed then skip number 4!

If the vehicle an automatic climate control is installed (ECC) selects the FOH to the ECC control and then

under Programming -> MID-speed configuration of the UHP does not exist at present to change and programming.

5. Now select the FOH control the UHP at which he selects programming of the ECU program.  
The first in the selection menu.

The TECH2 will automatically go through each programming step.

In MID-speed configuration, radio, display, UHP, ECC (if fitted) by non-existent at present and can be programmed.

There is also a variant called Configuration where Bluetooth is set to be available! Input language to German and programming.

In the further course, the TECH2 then the code index program:

Astra H Zafira B + code Indexes:

Hatchback: 011

Combined: 012

GTC: 013

Zafira-B: 014

Convertible: 015

Vectra-C + Signum:

Notchback: 021

Combined: 022

Schräckheck / GTS: 023

Signum: 024

Corsa-D:

3-door: 001

5-door: 005

Antara:

Index Code: 020

The TECH2 is also the chassis number of the vehicle in the UHP control program.

As a last step, the TECH2 the UHP with radio control and display marry.

The TECH2 automatically selects the programming sequence to the radio and goes automatically into the MID-speed configuration of the radio.

There must be absent from UHP to be available.

Then the TECH2 then 2x in a row the security code of the vehicle know (is Carpass).

After entering the 4 digit code is the TECH2 the UHP control marry.

If nothing has been done wrong in the programming will TECH2 Report: Activation Theft Protection successful!

If this message has come to FOH done everything right!

But if the TECH2 announces activation is not successful, then says TECH2 which control a faulty programming has.

The corresponding control and then select another program. MID Speed or variant configuration mostly.

After successful programming should be your FOH the error codes of the vehicle delete!

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OHC engine torque

by Matrix on 11.02.2007, 12:21

Here's 2 photo's of an adapter cable version:

Picture 1.JPG Picture 2.JPG

The adapter cable is between the radio and radio plug in, you need the cable is no longer on the original radio connector affixed.

As a basis for the adapter cable version do I need an adapter cable from the stuff:

Kram Telecom ISO2CAR Muteadapter for Opel CD30/40/70/90 <- Simply enter text in google!

This stuff adapter will plan according to the BT-FSE umgelötet!

If you're not rebuilding the trust you have a PN or mail to: matrix (at) opelproblemforum.de

Modified matrix (01.04.2009 around 19:32 clock).