You are able to connect an after market navigation to the RGB input. The pin definition is shown on the interface housing.
Talkover has to be connected to the mute cable of the navigation.

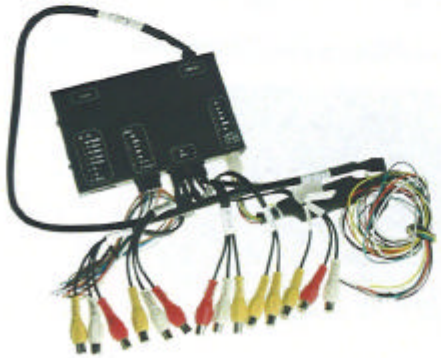
AV input and output cables have following functions:

[from left to right]

AV1 input, AV2 input, AV3 input, camera Video input, Audio output, Video output for Rear Seat Entertainment [2 yellow Chinch].

Note:

Audio signal cables AV1, AV2, AV3 and RGB input are input signals, but audio signal cable AV4 is an output signal. Audio signal has to be switched 4—1 parallel to selected video input. Audio output can be connected to an audio aux input or FM modulator or to a Gateway 500 by Dension



Attention: Activation of playback during driving could draw off your attention and is in EU only permitted if you are not the driver of the vehicle.

LVDS connections:

(4) technical data:

Working voltage	: 7V~25V
Power input	: 0.3A @12V
Video input	: 0.7V~1V
Audio input	: 0~5Vpp
Audio output	: 4Vpp max.

Video input format: PAL B.G.D.K.I / SECAM /NTSC

Video output format same like Video input format

NAVI Talkover	:0V~30V, trigger condition >3V
CAMERA cable	:0V~30V, trigger condition >3V

C~QUENCE

2 22 951A

(77bm01)

Video Interface 3Video in 3 Video out

BMW E60/61, E87, E90/E91

I-Drive

(from 2004)

ACV

Certified and made by EU Directives:

Installation - preparation

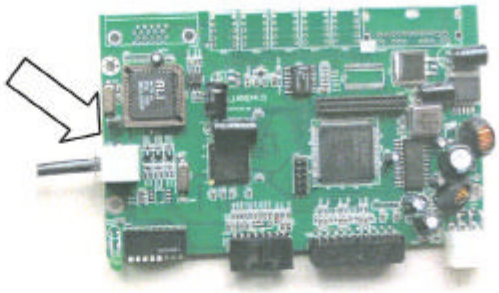
Both torx 20 screws have to be relaeased from monitor

Installation

Unplug LVDS plug from board monitor and insert in LVDS IN female of the interface. Insert the plug with the white point above the middle pin of 10-Pin LVDS cable of interface into LVDS OUT female of interface, white point of plug has to show to white point of interface housing.

As shown on the picture you have to insert other side of the LVDS of interface in LVDS female of board monitor, white point of plug has to show to groove of the LVDS female of board monitor. Can bus connection will be made on the top of monitor unit.
CAN-Low [white] to Pin 6 and CAN-High [violet] Pin 5.

Configuration - Tips



Jumper to adjust board monitor size:

Size of connected board monitor will be adjusted by a jumper on the board. Jumper closed 8.8", Jumper open 6.5". Factory setting: Jumper open (6.5")

Note: wrong adjustment does not cause damage however it is necessary to set the jumper correct to receive best illustration.

Configuration of 6-Pin plug

Batt [yellow] to +12V steady plus. 2A fuse is integrated

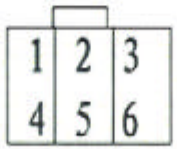
ACC [red] to accessory plus (switched)

Safe [grey] not used

GND [black] to negative ground

Camera [green] to positive end of reverse light for activating camera input automatically

iDrv cable controls CAN-BMWE60VIN2 AV-input choice. Cable set has CAN-Low [white] and CAN-High [violet]. To be connected with CAN-Low and CAN-High of the board monitor.



AV-input choice:

Push menue button of iDrive more than one second: AV-input choice - sources will be interconnected as follows:

Push menue button of iDrive more than three seconds: 8.8" board monitor will change between 16:9 and Ultra Wide picture modus

(2) Dip button adjustment

First 5 buttons are to deactivate or activate the AV input sources.
Last 3 buttons are to be used for picture adjustment, brightness and conrast.