EXTENSION CARD
HEC / MEC ANALOG IN

AUDIOTEC FISCHER
INNOVATIVE CAR AUDIO

ANALOG INPUT MODULE FOR HELIX / MATCH DEVICES

Congratulations!

Dear Customer,

congratulations on your purchase of this high-quality HELIX / MATCH EXTENSION CARD. This module is produced by using the latest technology. We wish you many hours of enjoyment with your new Audiotec Fischer product.

Yours,
AUDIOTEC FISCHER

General installation instructions for HELIX / MATCH components

To prevent damage to the unit / module and possible injury, read this manual carefully and follow all installation instructions. This product has been checked for proper function prior to shipping and is guaranteed against manufacturing defects.

Before starting your installation, disconnect the battery's negative terminal and all cables from the device to prevent damage to the unit / module, fire and / or risk of injury. For a proper performance and to ensure full warranty coverage, we strongly recommend to get this product installed by an authorized HELIX / MATCH dealer.

Install the Extension Card only in the designated device and its specific slot. Using the module in other devices or slots can result in damage of the Extension Card, the device, the head unit / radio or other connected devices!

Technical data

Input voltage highlevel:	1.5 - 30 Volts (adjustable)
Input voltage lowlevel:	0.5 - 8 Volts (adjustable)
Lowlevel input:	3.5 mm jack
Additional features:	ADEP.3, Auto Remote function

INFO LED status information

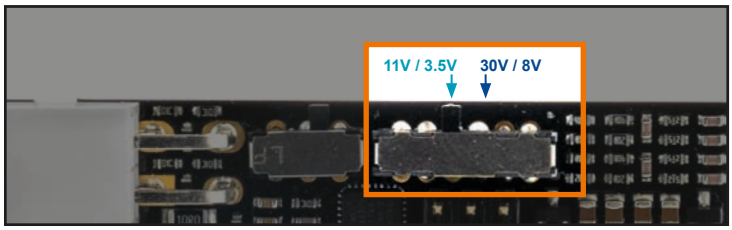
Green	Lowlevel input used (regardless of the Load Jumper) or Highlvevel input used & Load jumper removed
Orange	Highlvevel input used & Load Jumper installed

Mounting information

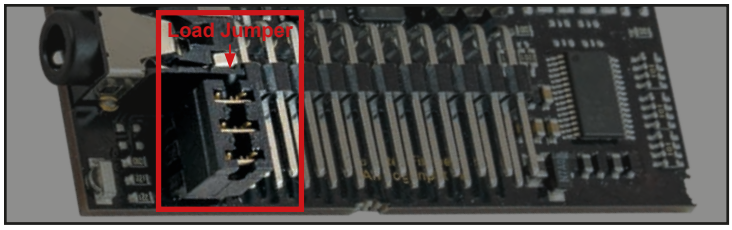
1. At first disconnect all cables from the device.

2. Depending on the device there are two possibilities to get access to the Extension Card slot.
   1. Bottom plate is bolted: untighten the screws of the bottom plate and remove it. Afterwards dismantle the appropriate side panel by removing its screws.
   2. Bottom plate is not bolted: dismantle the appropriate side panel by removing its screws and pull out the bottom plate sideways.

3. **IMPORTANT:** Adapt the **input sensitivity** and the **input load** to the connected signal source.



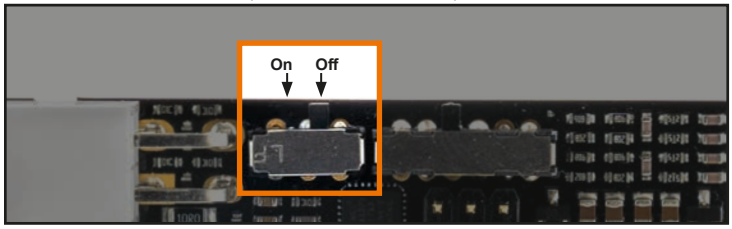
The factory setting of the input sensitivity (11 V / 3.5 V) of the module is appropriate for the most common radios.
As soon as the signal source which is connected to the highlevel inputs provides an input voltage between 11 V and 30 V – e.g. if an OEM amplifier is used as signal source – the Load Jumper has to be removed immediately and the **Input Sensitivity** switch must be set to the 30 V / 8 V position.
If you are unsure regarding the signal sources output voltage, please contact your HELIX / MATCH specialist dealer.



Input Sensitivity	Load Jumper Configuration
11 V / 3.5 V	Jumper installed
30 V / 8 V	Jumper removed

Important notice: It is mandatory to check the configuration of the Load Jumper before the first use otherwise it could cause severe damage to the ANALOG IN module! The position is also indicated in the DSP PC-Tool software.

4. If the highlevel input of the module is used as the primary and only highlevel input, the automatic turn-on function can be activated (Auto Remote = On).
   This function will turn on and off the whole device together with the signal source.
   Note: The automatic turn-on feature of the highlevel inputs is deactivated ex works (Auto Remote = Off).



As soon as a signal source is solely connected to the modules stereo line input, it is mandatory to connect the remote input of the device to power up the amplifier / DSP.

5. Insert the Extension Card into the specific slot of the device which is marked in the following picture (the picture representatively displays the Extension Card slot of the MATCH UP 7DSP).
   The exact position of the slot can be found in the manual of each device:

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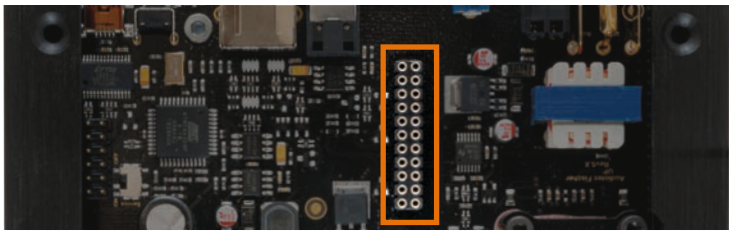
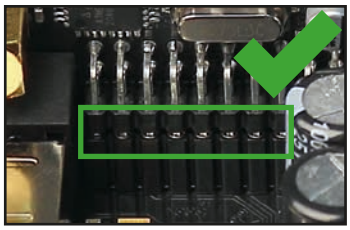
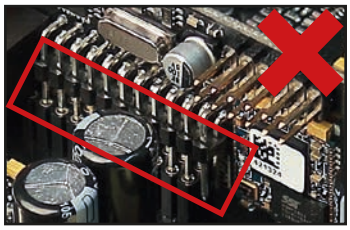


6. Make sure that the module is installed properly and all pins are fully inserted into the socket:





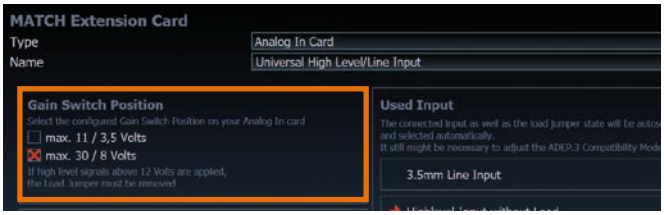
7. If the bottom plate was bolted, fix the new side panel which is delivered with the Extension Card. Afterwards reinsert the bottom plate and fix it, too. Otherwise reinsert the bottom plate at first and then fix the new side panel with the screws.

8. Reconnect the power supply and ground cable to the device.

9. Connect the amplifier / DSP to your computer. If you have to bridge longer distances please use an active USB extension cable with integrated repeater or the optionally available WIFI CONTROL interface.

10. First turn on the device and then start the latest software or at least software version 4.61a. The Extension Card is automatically detected.

11. **IMPORTANT:** After you have made the rough adjustment of the input sensitivity and input load (see point 3), the input sensitivity has to be fine adjusted in the DCM menu of the DSP PC-Tool software. To do so follow the subsequent steps:
    1. Open the “Extended Features” tab of the DCM menu.
    2. Select the configured **Input Sensitivity Switch Position** position of your module.



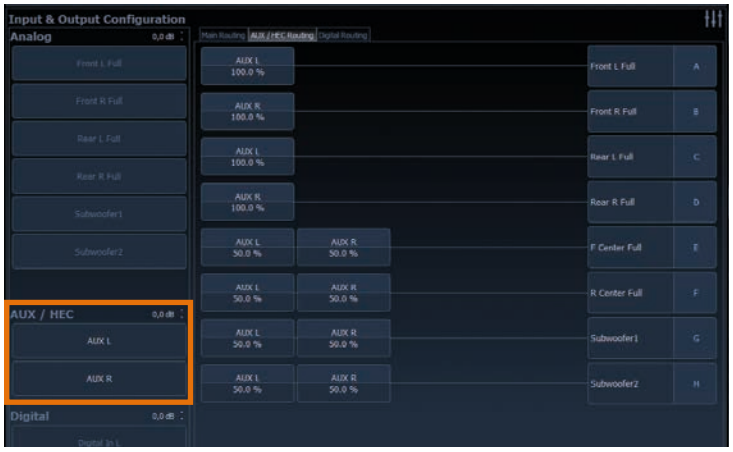
    3. Adjust the input sensitivity to match the output voltage of the connected signal source.

12. Reconnect all remaining cables to the device.
    Make sure that the polarity is correct. If one or more connections have reversed polarity it may affect the performance of the device.

Important: It is strictly forbidden to use the modules highlevel and lowlevel line input of an individual channel at the same time as this may cause severe damage to your head unit / car radio. Nevertheless it is possible to use the highlevel input of one channel and the lowlevel line input of another channel simultaneously.
Attention: Solely use the connection cable with the 4-pole connector and open leads, which is included in delivery, to connect a signal source to the highlevel inputs of the module!
For the connection of the 3.5 mm stereo line input we recommend to use a shielded 3.5 mm jack cable to avoid any background noises.

Signal routing of the Extension Card

Now the inputs can be freely configured as additional MAIN Inputs or as an AUX source. To do so route the “AUX L” and “AUX R” signals whether in the “Main Routing” tab or in the “AUX / HEC Routing” tab.



The “Used Input” window indicates automatically which input is connected and in case of the highlevel input it also indicates the position of the Load Jumper. The used input has influence of the adjustable range of the “Input Gain” configuration.

Warranty disclaimer

The limited warranty comply with legal regulations. Failures or damages caused by overload or improper use are not covered by the warranty. Please return the defective product only with a valid proof of purchase and a detailed malfunction description. Technical specifications are subject to change! Errors are reserved!

For damages on the vehicle and the device, caused by handling errors of the module, we can’t assume liability. These devices are certified for the use in vehicles within the European Community (EC).

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