

# Manual

## Before you buy

Use a diagnostic tool (such as VCDS) to verify that the engine control unit supports the UDS diagnostic protocol. With VCDS, you connect to the engine control unit. At the top left, VCDS displays the protocol. There must be "UDS". Other protocols are initially not supported by the FIS Control MMI.

If it is ensured that the control unit uses the UDS protocol, it can be checked whether the FIS Control MMI has already stored a data record for the installed control unit. To do this, the "Advanced ID" button is used to display the "ASAM data record" and the "ASAM data record revision" with VCDS.

On <https://www.fis-control.de/mmi.html> you can look for "ECU dataset" whether the corresponding data record already exists in the FIS Control MMI. After selecting the "ECU dataset", the measured value stored in the data record is listed under "Measurement value". If the data set or desired measured values are not yet available, they can be maintained by me. Please contact me (Email-address at the bottom of the page).

## Scope of delivery

- FIS-Control MMI control unit
- CAN-harness
- Display-cable
- Extraction tool



## Installation

Before installing, switch off the ignition and remove the key. The FIS-Control MMI is quite small and can be installed under the head unit. To do this, the head unit must be removed from the center console using the enclosed extraction tool. Please pay attention to the cables for the front panel. They usually must be staked out before you can pull the head unit completely out of the shaft. The enclosed red harness set must be plugged into the CAN gateway. The CAN gateway sits behind the glove box (Audi A4, A5, Q5) or behind the driver's footwell trim (Audi A1). Pull out the red plug on the CAN gateway. On the plug is a tab that you must press, so you can pull the plug out of the socket. Then plug the supplied harness between the original cable and the CAN gateway. The cable ends of the harness must then be pushed through to the center console.

Then connect the cable ends with the FIS-Control MMI:

- The plug with black shrink tubing belongs to socket A
- The plug with yellow shrink tubing belongs to socket E
- The connector with red shrink tubing belongs to socket F

**Note:** The Audi A1 cable harness is a bit short. It simplifies the installation, when connect the FIS-Control MMI harness after the assembly of the center console with the CAN-Gateway.

The four-pin cable from the display is connected to the "Display" connection of the FIS-Control MMI. The gray socket of the head unit is connected to the "Head Unit" connection of the FIS-Control MMI with the enclosed Rosenberger cable.

Before inserting the head unit, make sure that the cables are routed correctly so that they are not pulled or bent. When inserting do not apply too much force, if so, check where it jams.

## Functional test

After installation, the ignition can be switched on. There should be a hint of the FIS control in the MMI display for a few seconds. Thereafter, the normal display of the head unit should reappear.

## Configuration

At <https://www.fis-control.de/mmi.html> you will find an Android app and all data files that need to be transferred to the FIS-Control MMI. In addition, there is a configurator with which the settings file can be created.

There is also a "graphics converter" with which the background or pointer file for the FIS-Control MMI can be generated from own PNG files.

If firmware, graphics and the settings file are transferred to the FIS Control, it is ready to work.

More in this video: <https://www.youtube.com/watch?v=F4n6Vk3kvHE>

## Operation

Operation is carried out with the buttons on the original multifunction steering wheel. Long press on the MODE or MENU button toggles between Head Unit and FIS Control. With the left roller you can switch between different views.

## Known issues and limitations

Some customers have reported that the image of the head unit occasionally flickered after installing the FIS control. An exact cause is not yet known. But the problem could be solved by removing and reinstalling the head unit with a slightly different cable routing.

After installing the FIS-Control MMI, the MMI display always remains switched off when the ignition is switched off. A display of the head unit even with the ignition off (as it is usually possible) does not work anymore.

The multifunction buttons used by the FIS-Control MMI will continue to function. As a result, the display in the tachometer display changes simultaneously when operating the FIS Control and contrariwise.