Version 1.11

Installation manual
FISCON Pro
Hands free kit

Article-ID 37196

Audi
A4 8K
A5 8T
A6 4F
A8 4E
Q7 4L

(Suitable for MMI Basic Plus, MMI High 2G)
(Not suitable for MMI 3G)

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General advice

While developing this product, your personal safety combined with the best operating service, modern design and an up-to-date production technique was especially taken into account.

Unfortunately, despite the utmost care injuries and/or damages might occur due to improper installation and/or use.

Please read the attached instruction manual completely with great care and keep it!

All articles of our production line pass through a 100 % check - for your safety and security.

We reserve the right to carry out technical changes which serve the improvement at any time.

According to each article and purpose, it is sometimes necessary to check each country's legal regulations before installing and starting the unit.

In case of guarantee claims, the device has to be sent back to the seller in the original packaging with the attached bill of purchase and detailed defect's description. Please pay attention to the manufacturer's return

requirements (RMA). The legal warranty directions are valid.

The guarantee claim as well as the operating permission becomes invalid due to: Der Garantieanspruch und auch die Betriebserlaubnis erlischt durch:

a) unauthorized changes to the device or accessories which have not been approved or carried out by the manufacturer or its partners

b) opening the device's frame

c) device's repairs carried out by one's own

d) improper use / operation

e) brute force to the device (drop, wilful damage, accident etc.)

During installation, please pay attention to all safety relevant and legal directions. The device has only to be installed by trained personnel or similarly qualified people.

Safety Instructions

Installation requires special knowledge.

Do not install the unit yourself. For safe and reliable installation, consult a dealer having special knowledge.

- *Never use bolts or nuts from the car's safety devices for installation. If bolts or nuts from the steering wheel ,brakes or other safety devices are used for installation of the unit, it may cause an accident.*
- *Use the unit with a DC 12V negative ground car. This unit cannot be used in large trucks which use a DC 24V battery. If it is used with a DC 24V battery, it may cause a fire or accident.*
- *Avoid installing the unit in following places: - Where it would hinder your safe driving. - Where it could damage the car's fittings.*
- *This unit is only for use in the following vehicles. Only connections described within this instruction guide are allowed or required to use for installation.*
- *For damage impact caused by faulty installation, unsuitable connections inappropriate vehicles Kufatec GmbH assumes no liability.*
- *We advise you that these units process datas out of the MOST - protocol from the vehicle. As the supplier of this device we don't know the overall system you are working with. If our device causes damage due to other changes made by to the vehicle Kufatec GmbH assumes no liability.*
- *Kufatec GmbH supplier do not guaranty the use of the product for changing's within a new vehicle series.*
- *If the car manufacturer's don't agree with the installation of our device by reason of warranty the Kufatec GmbH assumes no liability. Please check conditions and warranty before you begin the installation.*
- *Kufatec GmbH supplier reserves the right to change the device specifications without notice.*

NOTE: The road traffic has to have your full attention.

Telephone operations should only be done by suitable traffic and weather situations. The volume need to be set that you are still able to realise acoustic warn signals (Police, fire brigade).

- *Errors and changes excepted.*

References of legal regulations for operation

Only use this unit in the intended domain.

If you use it in a foreign domain, if the unit is not installed properly, or if the unit will be reconstructed, the guarantee will expire.

FISCON Pro Hands free

- Easy installation, No cutting of wires necessary
- **Invisible** mounting of the microphone by using the original location
- Factory fitted functions do not get affected at all
- **OEM-menu driven** operation by MMI operation panel, Multifunctional steering wheel (if available)
- **Display** of telephone information within the **DIS** as well as MMI screen
- **Voice output** through the vehicle speakers - no installation of additional speakers necessary
- **Voice control** operation if factory fitted speach dialog system available

- Use of the following telephone **operations:**
  - Access to the **phonebook, call lists** (depends on mobile phone)
  - **Direct dial** of telephone numbers
  - **A2DP Audiostreaming** (Only for MMI High) in order to transfer music to the Infotainment system of the vehicle - Outstanding sound quality due to fully digital transfer of the music - **A2DP** function has to be activated before using
  - Access to unread as well read **text messages** (depends on mobile phone)
  - Up to 5 mobile phones can be paired - Paired phones can be choosen or changed from the MMI system
  - Unlimited software **updates**
  - Volume control

Scope of delivery

Bluetooth Interface
Wiring
Microphone

NOTE: Before installing the FISCON system you need to check whether the car is retrofitted with an interface not developed by Kufatec GmbH. In case a non-Kufatec interface is fitted we are not able to guaranty the absolute operation of the hands free system. You may need to remove the non-Kufatec interface.

Hereby, Kufatec GmbH & Co. KG declares that the Device KUFATEC FISCON are in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EG
The declaration of conformity can be found at the following address: www.kufatec.de/ce

System check – Software index

Infotainmentsystem MMI High

Press the buttons **RADIO > SETUP > SETTINGS > VERSION**

Example: SW-index 5170

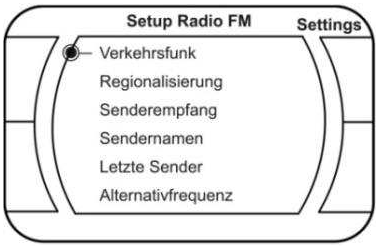


Fig. 1

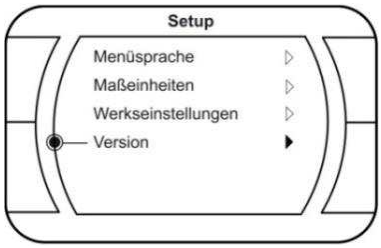


Fig. 2

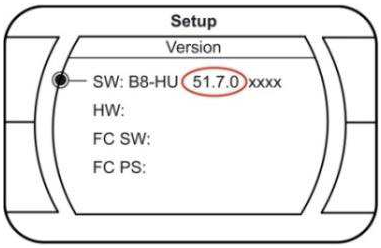


Fig. 3

NOTE: In case of an MMI software index lower then **3450** an MMI update has to be completed. Please contact your local Audi dealer.

Suitable update CD

Model	System	CD-part number
A6 4F, A8 4E, Q7 4L	High (3 CD's) Europe	4L0 998 961

Infotainmentsystem MMI Basic

Press the buttons **RETURN + SETUP** at the same time and keep pushing until the screen **CURRENT CONFIG** will appear - select **INTERFACEBOX** – check the software index (fig. 6-7).



Fig. 4

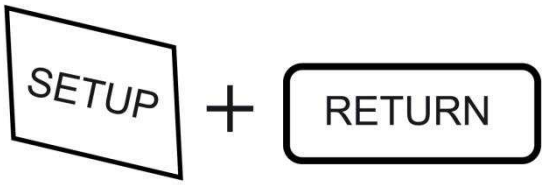


Fig. 5

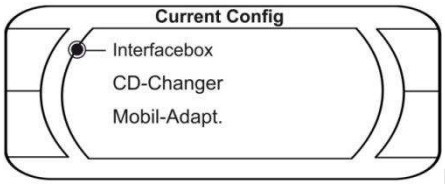


Fig. 6

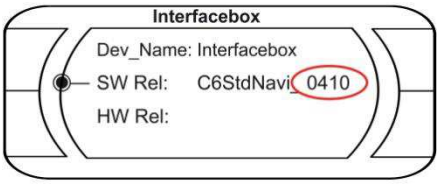


Fig. 7

NOTE: In case of an MMI software index lower then **410** an MMI update has to be completed. Please contact your local Audi dealer.

Suitable update CD's

Modell	System	CD-part number
A6 4F	Basic (3 CD's) Europe	4F0 998 961 A
Q7 4L	Basic (3CD's) Europe	4L0 998 961 A

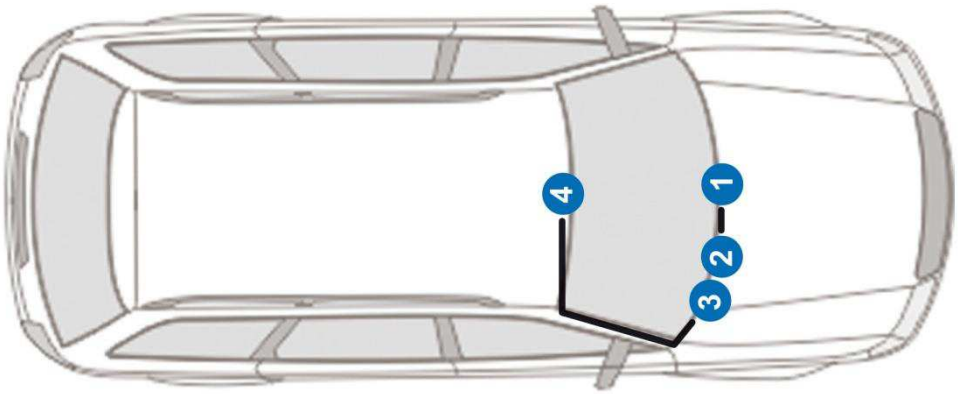


Fig. 8

1 – CD device Audi A4 8K, A5 8T, Q7 4L

2 – CD device Audi A6 4F / 2 - AMI Audi A6 4F, A4 8K, A5 8T

3 – Telephone interface (behind the glove box)

4 – Microphone (Interior light)

Audi A4 8K, A5 8T

Loosen the necessary screws of the glove box (Fig. 9 - 11). Disconnect the original wiring of the CD/AMI device (if available).



Fig. 9



Fig. 10



Fig. 11

Remove the cover shown on figure 12. Mount the interface to the back of the glove box by using suitable fastener (Fig 13).



Fig. 12

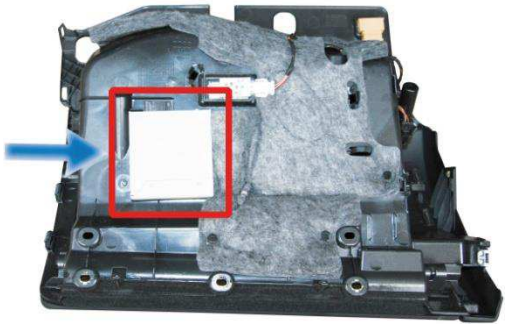


Fig. 13

Remove the CD device of the centre console using suitable tools (Fig. 14). Disconnect the original wiring. Start wiring the loom for the microphone (Fig. 15) towards the interior light.


Fig. 14


Fig. 15

Remove the airbag sign by using suitable tools (in order to avoid damages) and loose the screw located behind (Fig. 16).


Fig. 16


Fig. 17

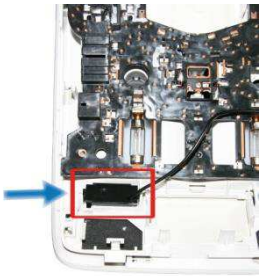

Fig. 18

NOTE: Does the vehicle have airbags fitted along the A-column it is essential to wire the loom for the microphone **BEHIND** the airbag. Wire the loom without putting tension on it. Mount the loom without affecting the airbag in it's functionality.

Open the storage of the interior light and loose the screw (Fig. 19). Mount the microphone on the original location within the interior light – driver's side (Fig. 21).


Fig. 19


Fig. 20

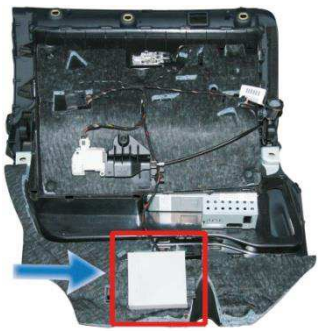

Fig. 21

Audi A6 4F

Loosen the necessary screws of the glove box (Fig. 22, 23). Disconnect the original wiring of the CD/AMI device (if available). Mount the interface to the back of the glove box by using suitable fastener (Fig. 24).


Fig. 22


Fig. 23


Fig. 24

Start wiring the loom for the microphone towards the interior light (Fig. 25 - 27).


Fig. 25

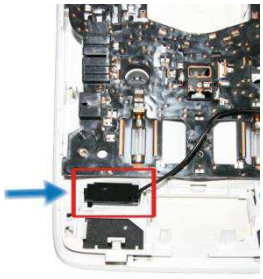

Fig. 26


Fig. 27

NOTE: Does the vehicle have airbags fitted along the A-column it is essential to wire the loom for the microphone **BEHIND** the airbag. Wire the loom without putting tension on it. Mount the loom without affecting the airbag in its functionality.

Mount the microphone on the original location within the interior light – driver's side (Fig. 29).


Fig. 28


Fig. 29

Interface connection

Fiber optical connections

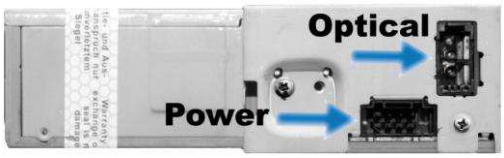


Fig. 30

With a plug & play connection to the CD/AMI device you will complete the fitting of the optical wires (Fig. 31). Put the delivered wiring between the CD/AMI device and the connector coming from the vehicle.



Fig. 31



Fig. 32

NOTE: In case of factory fitted **AMI** the fiber optical loom has to be connected to the **AMI** device. The **power** supply connection has to be connected to the **CD device**.

Power supply/ Microphone

With a plug & play connection to the CD device you will complete the fitting of the power supply. Unlock the connection and put the delivered wiring between the CD device and the connector coming from the vehicle. Connect the female jack plug & play to the delivered harness (Fig. 34).

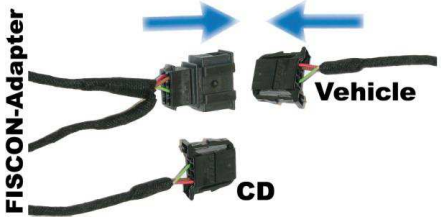
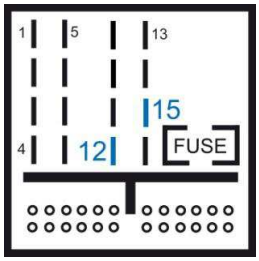


Fig. 33


Fig.34

Regarding vehicles without factory fitted CD-changer (Only A6 4F, Q7 4L)

For vehicles without factory fitted CD-changer the connectors of the delivered loom needs to be cut off. With the connection of 2 new wires to the quadlock connection you will complete the fitting (Soldering/ Crimping) Fig. 35. Please see scheme below. The Green/Violett loom has to be **isolated**.



Red/ Gray – PIN 15

Brown – PIN 12


Fig. 35



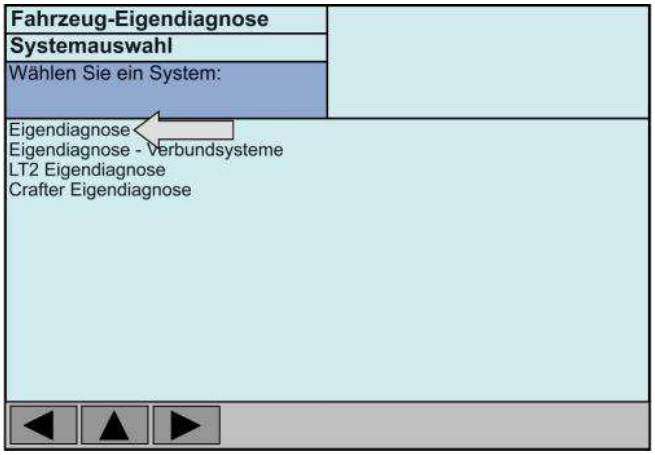
NOTE MMI Basic: In case of communication error with media player 2 - **PIN 4** of media player 2 has to be connected to **ground**.

Coding

Only for vehicles equipped with MMI High – Not necessary for vehicles with monochrome screen.

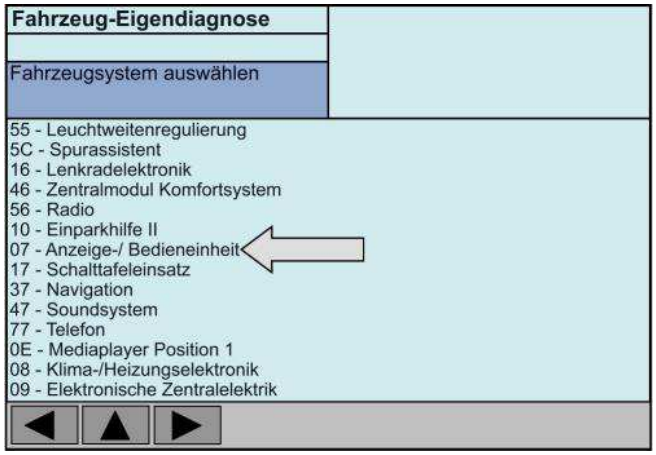
After installation the system needs to be coded. Please contact an Audi dealer.

In order to code the vehicle system you need to choose the **Self-Diagnosis.** Please complete the coding step by step as shown on images below.

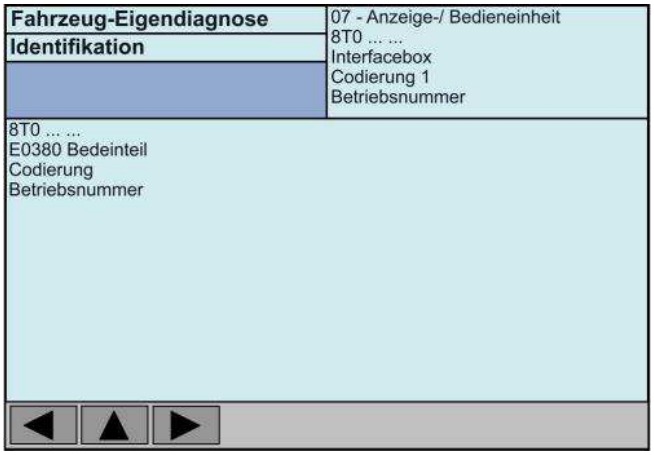


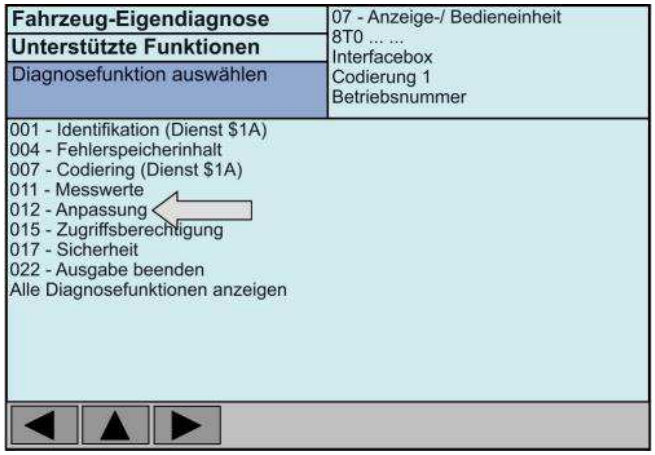
Vehicle Self-Diagnosis

Self diagnosis

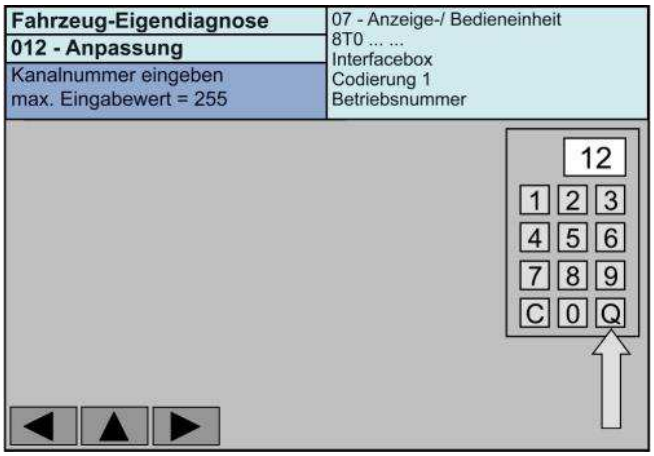


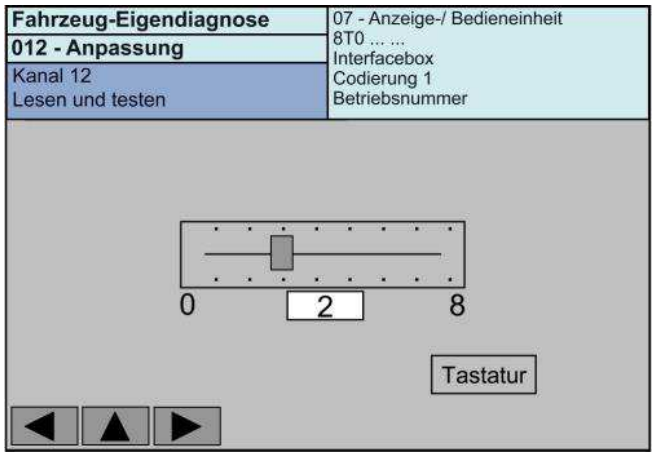
Address 07 Control head front





012 – Adaption





Enter Chanel 12– Press Q

Set the current value to 2 – confirmation

Control elements

Multifunctional steering wheel

By pushing the **MODE** button ① you will reach the menu of the hands free kit (Fig. 36). By using the **SCROLL** ② you will select the single options. Push the SCROLL for selecting the menu as well as an entry. With the SCROLL on the right you can control the volume. In case of factory fitted voice control the speach dialog system can be activated by pushing the button on the right.



Fig. 36

Driver information system - DIS

The menu will be displayed within the DIS of the vehicle.

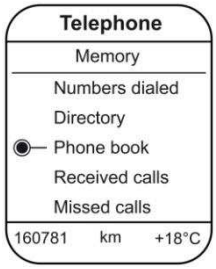


Fig. 37



Fig. 38

MMI operation panel

OEM-menu driven operation by using the MMI panel (Fig. 39).

After pressing the button **TEL** (Fig. 40) the system can controlled as usual by using the **rotate controller** ① as well as the **control key** ② (Fig. 41).



Fig. 39

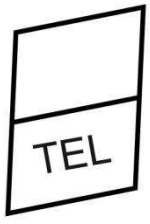


Fig. 40

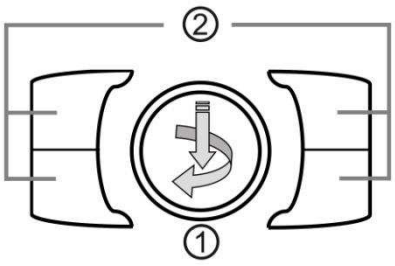


Fig. 41

Operation instruction

The following operating instruction is valid for infotainment system MMI High as well as Basic Plus (certain variations in consequence of original operating as well as range of functions).

In case of no factory fitted hands free fig. 42 will appear by pressing the **TEL** button. As soon as the installation and coding has been finished and the interface is connected the screen will display fig. 43.

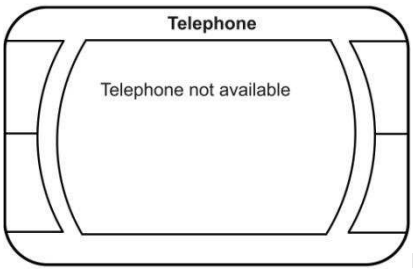


Fig. 42

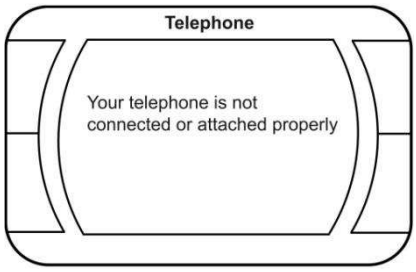


Fig. 43

Pairing

1. Press the **TEL** button on MMI panel
2. Make sure the Bluetooth feature is turned on
3. Start the pairing procedure on your mobile phone
4. When prompted for a passkey, enter **1234** on your mobile phone

Once pairing is complete, you should see fig. 44. You will see the network provider‘s name as well as the coverage if supported from mobile phone.

You may pair up to **5** different **mobile phones**.

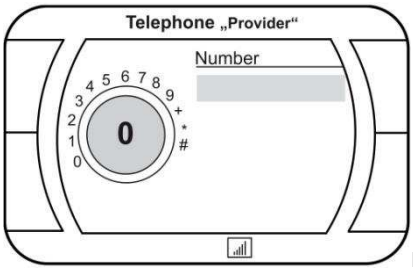


Fig. 44

Bluetooth device list

In case of pairing an additional mobile phone (5 mobiles already listed) at least one mobile hast to be deleted of the bluetooth device list.

Press the buttons **SETUP > TELEPHONE SETTINGS > BLUETOOTH SETTINGS > BLUETOOTH DEVICE LIST** (Fig. 45-47).

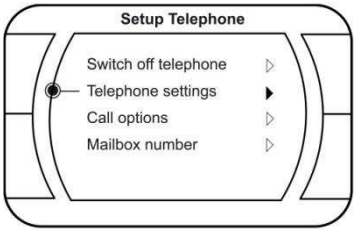


Fig. 45

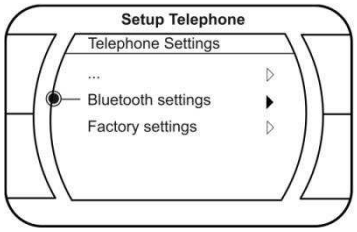


Fig. 46

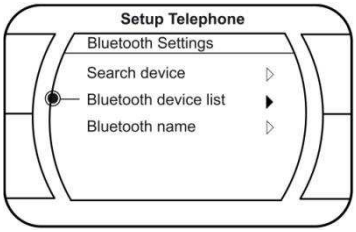


Fig. 47

Delete a mobile phone of the device list (Fig. 48-50).

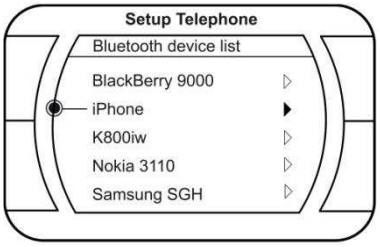


Fig. 48

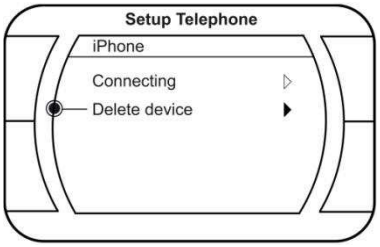


Fig. 49

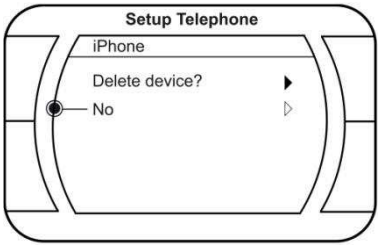


Fig. 50

Change mobile phone

An already stored mobile phone can be selected as well as paired up by using bluetooth device list. Therefore the bluetooth function hast to be activated on the mobile phone you are going to connect. The connection of the mobile which is currently paired will be canceled.

Choose a mobile phone and select **CONNECTING** (Fig. 51, 52).

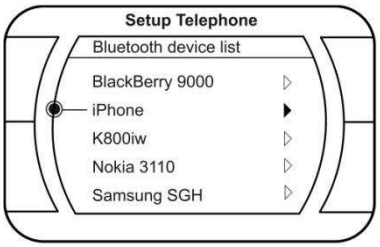


Fig. 51

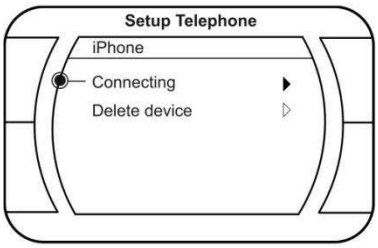


Fig. 52

Factory settings

After pressing the **SETUP** button please complete procedure shown on fig. 53 – 55.

NOTE: In case of activating the factory settings all stored mobile phones get lost.

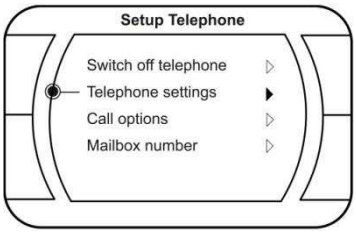


Fig. 53

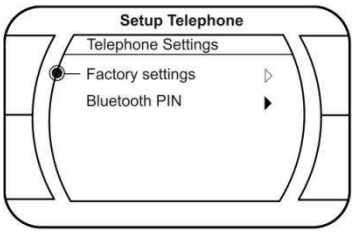


Fig. 54

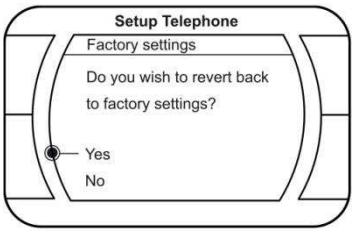


Fig. 55

Phonebook

NOTE: The mobile phone must support phone book sync via Bluetooth to use this feature.

The phonebook feature is limited to 1000 phonebook entries (sub-entries included).

Phonebooks that have a large number of entries can take quite a long time to synchronise.

Please avoid cancelations during synchronisation.

Press the buttons **MEMORY > PHONE BOOK**

Select a phone number and press the rotate controller for picking the entry. Press **DIAL** or use the rotate controller for placing the call.

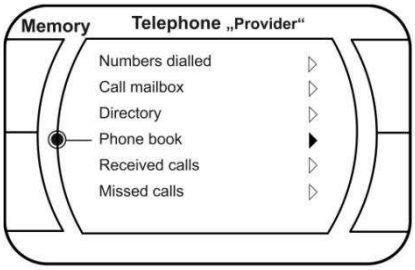


Fig. 56

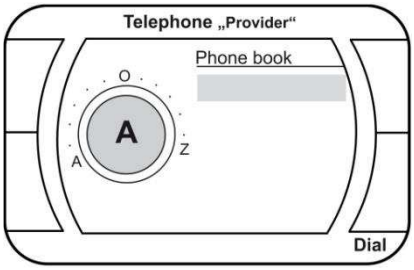


Fig. 57

Search phone book entry

Press the buttons **MEMORY > PHONE BOOK > SEARCH NUMBER** You can search for names by using the rotate controller. Press **DIAL** for placing the call.

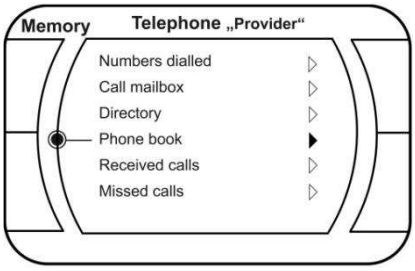


Fig. 58

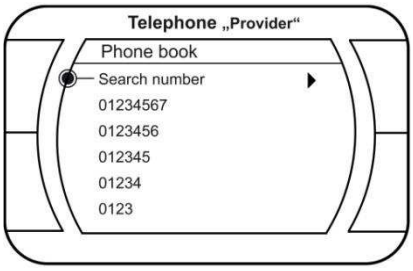


Fig. 59

Call lists

Press the buttons **MEMORY > NUMBERS DIALED / RECEIVED CALLS / MISSED CALLS.**

Select a phone number and press the rotate controller for picking the entry. Press **DIAL** or use the rotate controller for placing the call.

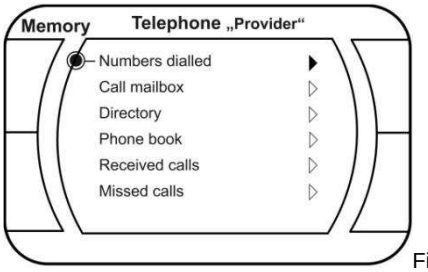


Fig. 60

NOTE: The mobile phone must support call list sync to use this feature.

Quick selection numbers dialed

Press the buttons **TEL > DIAL -** The list of dialed numbers will be displayed. Select a phone number and press the rotate controller for picking the entry. Press **DIAL** or use the rotate controller for placing the call.

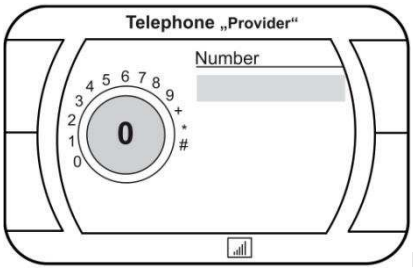


Fig. 61

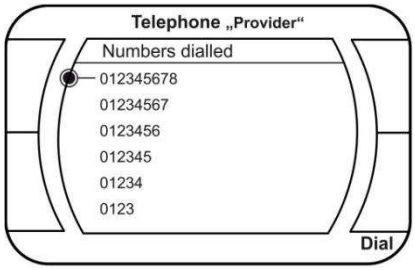


Fig. 62

Dial plate

Entering a telephone number by using the rotate controller. Press the button **TEL -** enter a telephone number and press **DIAL**.

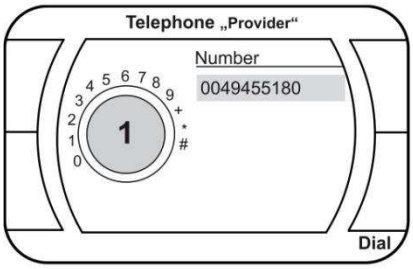


Fig. 63

Incoming calls

An incoming call will activate the mute operation. A ring tone will be generated. The name of the caller (depends on mobile) will be displayed. In case the caller is not stored by name the number will be displayed.

Press the buttons **ANSWER / IGNORE**.

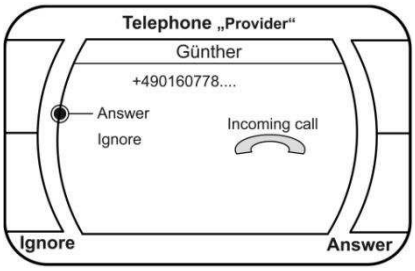


Fig. 64

Answer a second call

In case of receiving a second call during an already started conversation the screen will show fig. 65. By using the rotate controller you are able to switch to the second call as well as ignore the second call.

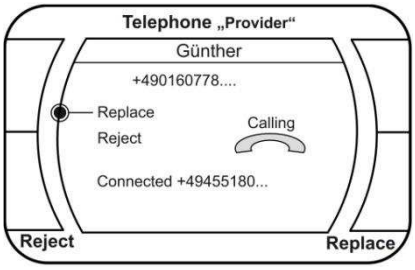


Fig. 65

Mailbox number

Press the buttons **TEL > SETUP > MAILBOX NUMBER**

By using the rotate controller the number can be entered and stored. By pressing the button **MEMORY** the **MAILBOX NUMBER** can be called directly.

You also can use the symbol ○○.

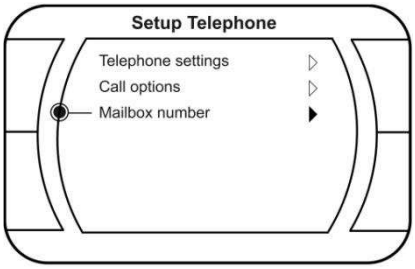


Fig. 66

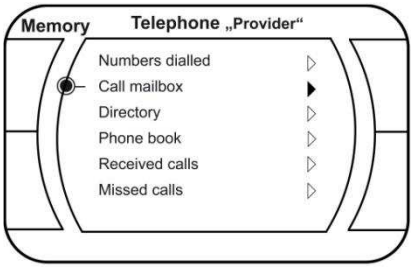


Fig. 67

Bluetooth PIN

Press the buttons **TEL > SETUP > SAFETY SETTINGS > CHANGE PIN**

By using the rotate controller the Bluetooth PIN can be changed.

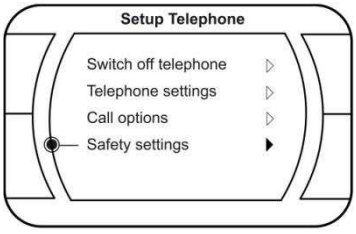


Fig. 68

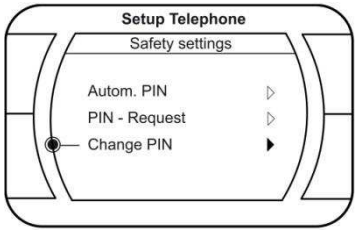


Fig. 69

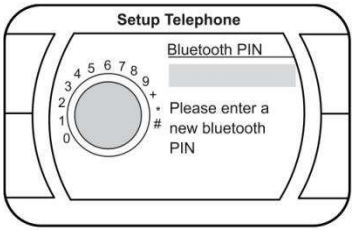


Fig. 70

A2DP Audiostreaming

NOTE: The **A2DP** function has to be **activated** before using.

Only for vehicles with MMI High. The mobile phone must support A2DP sync via Bluetooth to use this feature. The vehicle must not be equipped with more than one CD changer.

NOTE: When listening to music via Bluetooth and after performing a interim phone call the audio streaming connection is no longer possible. In this case please turn off the MMI and turn it on again. After that the audio streaming function can be used again.

A2DP Activation

Please complete the following process:

1. Pair up your Bluetooth phone with the hands free as usual
2. Press the **TEL** button on the MMI panel
3. Enter the following code: **258224001**
4. After entering the code please press **DIAL** (Fig. 71)

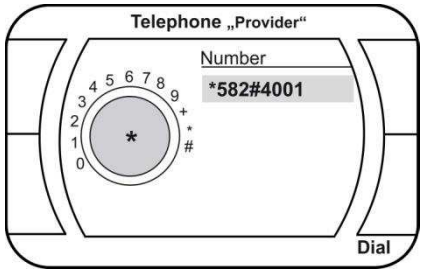


Fig. 71

NOTE: The call will be answered with “The number does not exist” but the setup has been completed.

After activation ➔ **Vehicle system needs to shut down**

NOTE: Please lock the vehicle for about 5 minutes. ➔ **Restart the MMI**

In case of successful activation CD 6 will be displayed after selecting the buttons **CD > CHANGER.** –

A2DP operation by using the CD-changer menu. Press the buttons **CD > CHANGER -** Available CD’s will be displayed. Select **CD 6.** By using the menu **START – STOP – FORWARD – BACK** the music files stored on the mobile can be selected.

NOTE: In some cases the mobile phone does not support the operation.

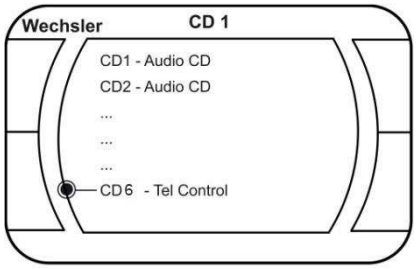


Fig. 72

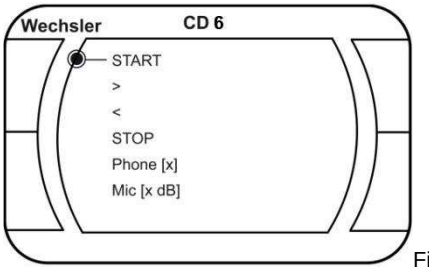


Fig. 73

SMS Text message

The symbol ✉ will appear within the MMI screen as soon as you received a new text message. Press the buttons **TEL > TEXT MSG** for accessing **UNREAD** as well as **READ** text messages (fig. 74-76).

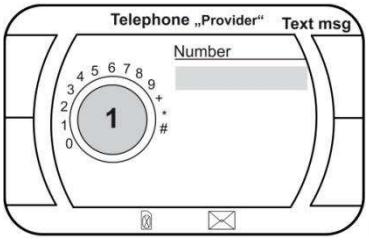


Fig. 74

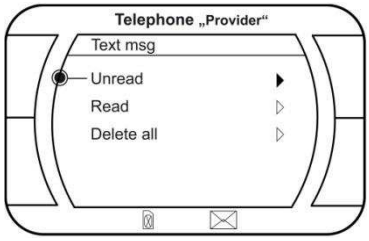


Fig. 75



Fig. 76

It is not possible to delete text messages by using the MMI panel.

The sender of the text message can be called directly (fig. 77).

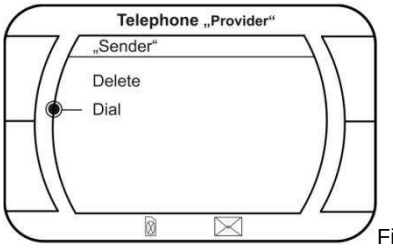


Fig. 77

NOTE: The mobile phone must support text msg sync via Bluetooth to use this feature.

In case the mobile does support the feature the symbol ⊠ will be displayed.

The number of text messages is limited to 30 (unread + read). The unread messages do have priority.

Volume telephone/ Microphone adjustment

The settings can be done by using the CD-changer menu. Press the buttons **CD > CHANGER**. The single values can be changed by selecting **PHONE [x]** or **Mic[x dB].**

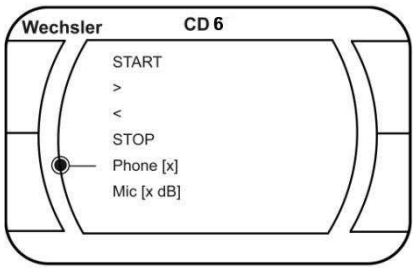


Fig. 78



Fig. 79

Using the rotate controller for selecting Phone[x], Mic[x dB].

The values can be changed by using the arrow buttons ① and ② on the MMI panel (Fig. 79).

Voice control

In case of factory fitted speach dialog system it can be activated by pressing the button on the multifunctional steering wheel (Fig. 36).

For accessing the telephone mode press the button on the multifunctional steering wheel and speak the command **TELEPHONE**

Example dial phone number:

Speak the command: **DIAL NUMBER > 0-1-2-3-4- > DIAL**

Example select phone book entry:

Speak the command: **CALLING TO (Name)**

Store telephone volume

Press the buttons **TEL > SETUP > SOUND > VOLUME SETTINGS > TELEPHONE.** Please set up the suitable value and confirm.

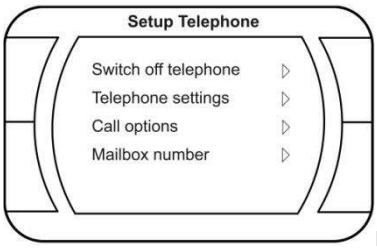


Fig. 80

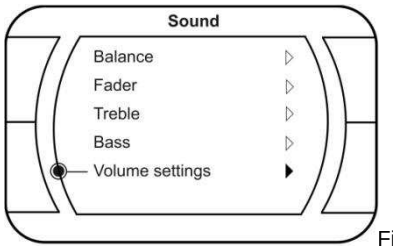


Fig. 81

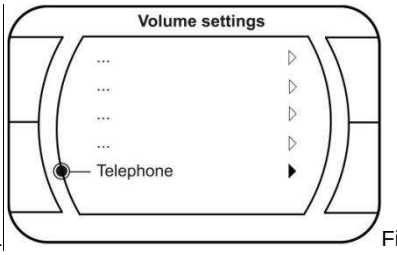


Fig. 82

Note Audio signals

In some cases the volume of the navigation announcement can not be changed while active blutooth connection.

The volume of the radio will not be minimised.

Solution – The navigation commands have to be deactivated while using the phone.

Press the buttons **NAV > SETTINGS.** Please select VOICE GUIDANCE OFF (phone) and confirm.

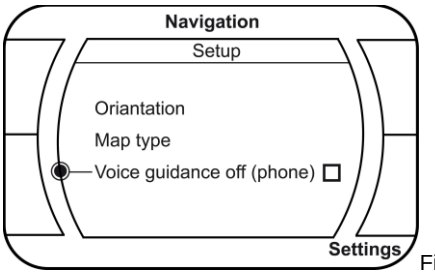


Fig.83

Setup through MMI

NOTE: Condition is that the mobile **transmits the number** to the head unit. In case your mobile doesn‘t support that feature you need to use a phone which does.

Setup

1. Pair up your Bluetooth phone with the hands free as usual.
2. Use the following setup - Code: **25822XXYY**
3. Please see the table below for the values XX as well as YY.
4. After entering the values please press **DIAL**.

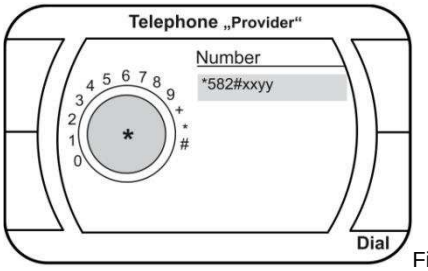


Fig. 84

Function	XX	YY	Example
Volume telephone	10	(0-15)	258221009
Volume ring tone	11	(0-15)	258221112
Microphone	14	(0-15)	258221409
A2DP Activation	40	01	258224001
A2DP Deactivation	40	00	258224000
Softwareupdate	20	25	258222025
Factory settings	21	77	258222177
Language settings	30	(00-07)	

Language - 30:

00-Vehicle language	01-German	02-English	03-Spanisch
04-Italian	05-French	06-Dutch	07-Portuguese

NOTE: The call will be answered with “The number does not exist” but the setup has been completed.

Not supported menus

The following table is listening menus with functions not supported by hands free system. Even if you can select the single menu they will not have any functionality.

Telephone-Setup	**Telephone - settings**	**Bluetooth - settings**	**Call - options**	**Storage - settings**	**SMS**
Switch off telephone	Ring tone settings	Search mobile	Call waiting	No function available	Delete SMS
SIM-PIN settings	Caller display	Bluetooth-name	Transmit number		
Call forwarding	Falling delay	Visible			
Call lock					
Provider					
Storage-settings					

FAQ

Why does the phonebook not pop up in the screen?

- *Your Bluetooth phone doesn't support phonebook sync.*
- *Phonebooks that have a large number of entries can take quite a long time to synchronise.*
- *In case of an MMI software index lower then 3450 (MMI High) or 420 (MMI Low) an MMI update has to be completed.*

I'm not able to pair my bluetooth phone.

- *You already paired up 5 different mobile phones. At least one mobile hast to be deleted of the bluetooth device list (page 11).*

I'm not able to use the A2DP function

- *Your Bluetooth phone doesn't support A2DP*
- *A2DP has to be activated before using*

Speed Dependent Volume Control doesn't work

- *In some cases the volume of the navigation announcement can not be changed while active blutooth connection. The volume of the radio will not be minimised.*

FAQ – Online

http://www.kufatec.de/faq/public.pl?Action=PublicFAQ&Subaction=Explorer&CategoryID=1