

Version 1.13 (18.03.2016)

# Installation manual FISCON Pro Hands free kit

Article-ID 37564

39857

#### Mercedes

A-Class (W169) B-Class (W245) C-Class (W203 after 04/2004) CLK-Class (W209) CLS-Class (W219) E-Class (W211 after 03/2003) GL-Class (W211 after 03/2003) GL-Class (W211 after 03/2003) GL-Class (W251) SLK-Class (W164) R-Class (W251) SLK-Class (R171) SL-Class (R230) Viano (W639) Vaneo Sprinter

> (Suitable for head unit Audio 20, APS 50, Comand) (Not suitable for Comand NTG 2.5)

www.kufatec.de



# Content

General advice	2
Safety Instructions	3
References of legal regulations for operation	3
FISCON Pro Mercedes	4
Scope of delivery article ID 37564	4
Scope of delivery article ID 39857	4
Suitable parts for your vehicle	5
Installation instruction	6
Interface connection	10
Additional installation for factory fitted hands free system	12
Coding for vehicles without factory fitted hands free kit	13
Control elements	22
Operation instruction	23
Setup through head unit	
FAQ	



# 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:

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.

# Please limit on installation or function problems the troubleshooting to 0.5 hours for mechanical and 1.0 hours for electronic works.

To avoid unnecessary work and to save costs, please send us immediately via the contact form Kufatec (<u>http://www.kufatec.de/shop/de/infocenter/</u>) a request to our technical support.

Please quote the following necessarily:

- Vehicle Identification Number
- Part number of the retrofit kit
- Detailed description of problems
- Already conducted operations



# 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 Mercedes

- Easy installation, No cutting of wires necessary
- Factory fitted functions do not get affected at all
- **OEM-menu driven** operation by head unit, Multifunctional steering wheel (if available)
- Display of telephone phonebook within the DIS (if activated)
- Voice output through the vehicle speakers no installation of additional speakers necessary
- Use of the following telephone **operations:** 
  - Access to the **phonebook**, **call lists** (depends on mobile phone)
  - Direct dial of telephone numbers
  - **A2DP Audiostreaming** in order to transfer music to the Infotainment system of the vehicle Only for vehicles without factory fitted CD-changer **A2DP** function has to be activated before using
  - Access to text messages (depends on mobile phone) Inbox, Outbox, Draft
  - Writing + Sending text messages by using the operation panel of the head unit
  - Unlimited software updates
  - Volume control

# Scope of delivery article ID 37564

Bluetooth Interface Wiring Housing Fiber Optic transfer connector Microphone

# Scope of delivery article ID 39857

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



# Suitable parts for your vehicle

Depending on the vehicle equipment you will only need certain parts of the scope of delivery. Microphone, interface and wiring are always needed.

## For vehicles with existing fiber optical looms on the head unit

In case of vehicles with **existing fiber optical looms** on the back of the head unit you will need the following parts for fitting:



### For vehicles without fiber optical looms on the head unit

In case of vehicles **without fiber optical looms** on the back of the head unit you will need the following parts for fitting:



### For vehicles with factory fitted hands free system

In case of vehicles **with factory fitted hands free system** you will need the following part in addition. This item is not part of the delivery.

Please order from Kufatec web site - www.kufatec.de - item number 36782



# NOTE: Fiber optical looms MUST NOT BE CRACKED! The recommended radius for fitting is 40 mm.

In case of incorrect fitting we are not able to guaranty the absolute operation of the hands free system.



# Installation instruction

# W211, W219

Remove the gearshift (Fig. 6-7). Remove the cover of the center console by unlocking the hooks (Fig. 7). Remove the ashtray (Fig. 8).







Fig. 8

Loosen the necessary screws of the climate control (Fig. 9). Loosen the necessary screws of the head unit (Fig. 11).

NOTE: These screws has to be screwed out until the far end. Remove the head unit.









Fig. 11

# W164, X164

Remove the cover of the climate control by gently pulling (Fig. 12). Loosen the necessary screws of the head unit (Fig. 13). Move the splint downwards (Fig. 14). Remove the head unit.







Fig. 14



### W169, W245

The vent has to be removed. Hook into the wholes (Fig. 16) with a suitable tool. Pull the vent gently.







Fig. 17

Fig. 20

Loosen the upper screws of the radio (Fig. 18). Remove gently the cover of the climate control by using a suitable tool (Fig. 19). Loosen the lower screws of the radio (Fig. 18). Remove the radio.



Fig. 18



#### W251

Remove gently the cover of the climate control by using a suitable tool (Fig. 21). Loosen the necessary screws of the head unit (Fig. 22). Move the splint downwards (Fig. 23). Remove the head unit.







Fig. 23



### W203, W209

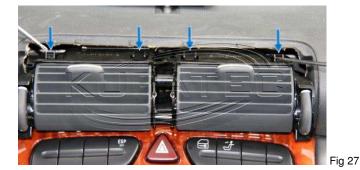
**W203** - Remove gently the cover of the vent by using a suitable tool (Fig. 24). Move the adjustment wheel downwards and the vent upwards (Fig. 25).





Loosen the necessary screws underneath the vent (Fig. 26). Remove the vent by moving the fastener on the top downwards (Fig. 27).





Loosen the necessary screws of the upper cover (Fig. 28).

W209 - Remove gently the cover shown on Fig. 29.

Remove the cover of the center console by pulling (Fig. 30).







Fig. 30

Unlock the hooks of the ashtray (Fig. 31). Remove the ashtray. Loosen the necessary screws of the climate control (Fig. 32). Loosen the necessary screws of the head unit (Fig. 33). Remove the head unit.









Fig. 33



Fig. 36

### Microphone

Loosen the necessary screws of the cover underneath the steering wheel as well as the trim aside (Fig. 34). Remove the cover of the A-column using suitable tools (in order to avoid damages) (Fig. 35). Start wiring the loom for the microphone towards the interior light (Fig. 35). Angle the microphone towards the driver position (Fig. 36).



**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.

**NOTE:** Regarding to the voice quality do not fit the microphone covered inside the interior light.



# Interface connection

# For vehicles with existing fiber optical looms on the head unit

Disconnect the Quadlock (Fig. 37) respectively the MOST connector (Fig. 38) of the radio.



Fig. 37



Fig. 38

Remove the original fiber optical cable (Fig. 39). Put the delivered housing to the just removed (original) fiber optical connector (Fig. 40).





Fig. 40

Join the original fiber optical connector to the female connector of the delivered loom (Fig. 41, 42)







Fig. 42

Put the optical connector of the delivered loom to the Quadlock respectively MOST connector (Fig. 43).



Fig. 43



Fig. 44

Join the 18-pole connector as well as the fiber optical to the telephone interface (Fig. 45) (remove dummy plug of the interface). Figure 46 is showing the final connection of the telephone interface.







#### For vehicles without existing fiber optical looms on the head unit

Join the fiber optical connector of the delivered loom to the Quadlock connector of the radio (Fig. 47). Connect the delivered fiber optical transfer connector (bridge) to the female connector of the delivered wiring (Fig. 48).



Join the 18-pole connector as well as the fiber optical to the telephone interface (Fig. 49). Figure 50 is showing the final connection of the telephone interface.



#### **Microphone/ Power supply**

Connect the female jack of the harness plug & play to the microphone (Fig. 51).

With the connection of 2 new wires you will complete the fitting of the power supply. Please see Fig 52. In order to achieve a proper connection we recommend both crimping and soldering the new wires.





BROWN – GROUND RED – STEADY PLUS



# Additional installation for factory fitted hands free system

# Only for vehicles with factory fitted hands free system

The original telephone control unit has to be removed. Depending on the vehicle the telephone control unit is fitted on different locations.

# Fitting Location SLK- R 171, E-W211

Remove the cover of the trunk. Loosen the necessary screws of the fastening plate (Fig. 53). Disconnect the original telephone control unit (Fig. 54).

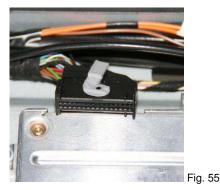




# **Fitting Location W169**

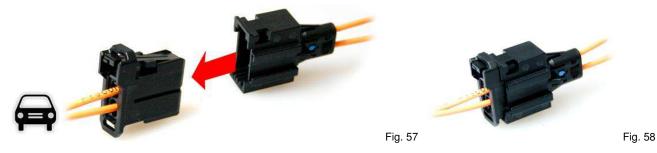
Vehicle floor underneath the driver seat. Remove the driver seat – put the carpet away – Remove the cover of the ventilation duct. The telephone interface will appear.

Disconnect the connector shown on figure 55. Leave it without functionality within the vehicle.





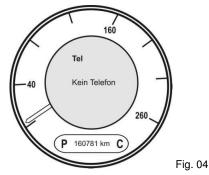
Join the original fiber optical connector to the female optical bridge (Fig. 56 - 58 / item number 36782 / www.kufatec.de).





# Coding for vehicles without factory fitted hands free kit Activation Driver information system





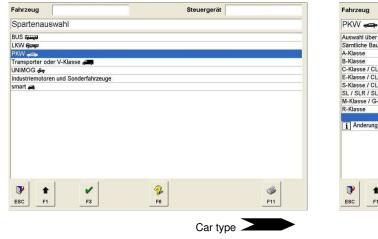
Steuergerät

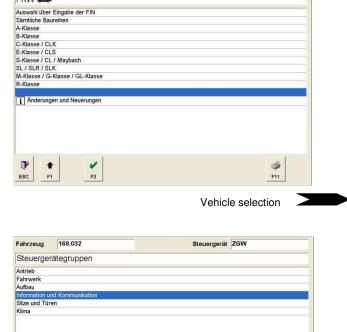
Please scroll the menu button (Fig. 03) around all functions. In case the menu **"NO PHONE"** will appear (Fig. 04) the driver information system is already activated.

In case the menu will **not** appear the instrument cluster needs to be activated by using diagnostic software. Please contact a Mercedes dealer.

Depending on the vehicle 2 different processes of activation are possible.

### Coding process 1 Suitable for the following vehicles: W169, W245, R171, W164, X164, W251



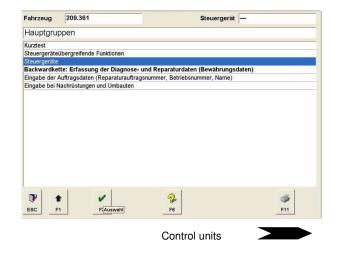


2

Information and Comunication 2

4

F11



1

ESC



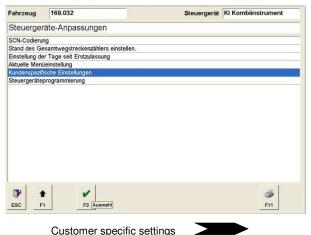
Fahrzeug	169.032	Steuergerä	ZGW
Informatio	n und Kommunikatio	n	
KI - Kombiins	trument	12 m	
ASSYST Akti	ves Service-System		
	IS - Aktives Service-System	PLUS	
MRM - Mante	Irohrmodul		
PTS - Parktro			
Audio, Video,	Navigation und Telematik		
		2	

Fahrzeug	169.032	Steuergerät KI Kombiinstrumer
Kombiinst	rument	
Steuergeräte	version	
Fehlercodes		
Ereignisspeic	her	
Istwerte		
Ansteuerunge	n	
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Steuergeräte	-Anpassungen	
Gesamtliste d	der geführten Prüfungen	
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Fahrzeug 169.032

Fahrzeug 169.032

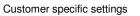
Kundenspezifische Einstellungen





Steuergerät KI Kombiinstrument

Steuergerät KI Kombiinstrument



Fahrzeug	169.032		Steuergerät	KI Kombiinstrument
Kundensp	ezifische Einstel	lungen		
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				HT MÖGLICH
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F	1 F3			
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	1	or possible	possible	

Kundenspezifische Einstellungen Bedienung über Multifunktionslenkrad Codi **5** I. F11 F3



Fahrzeug	169.032	Steuergerät	KI Kombiinstrument	Fahrzeug	169.032	Steuergerät KI Komblinstrument
undensp	ezifische Einstellungen			Kundensp	ezifische Einstellungen	
Pod: Bedienu	ng über Multifunktionslenkrad	Codierung MOGLIGH		Soll die Coc	lierung in das Steuergerät übertragen v	verden?
	₹ F2 F3	F{Die Codierung wird durchgeführt]	<b>%</b> F11		JA NEN JA F3 F4	
	Downl	oad changes - F5				F3
Fahrzeug	169.032	Steuergerät	KI Kombiinstrument			
Kundensp	ezifische Einstellungen					
Die Codieru	ng wurde durchgeführt.		<u>s</u>			



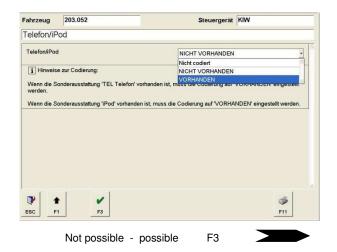
### Coding process 2: Identical steps of process 1 until "Control unit adaptions" Suitable for the following vehicles: W203, W209, W211, W219, R230

Fahrzeug	169.032	Steuergerät	KI Kombiinstrument	Fahrzeug	203.052	Steuergerät	ĸiw
Kombiinst	rument			Steuerger	äte-Anpassungen		
Steuergerätev	version			Variantencod	ierung		
Fehlercodes				Einstellungen			
Ereignisspeich	her			1200			
Istwerte							
Ansteuerunge							
Inbetriebnahm							
	Anpassungen						
	ler geführten Prüfungen						
	ler Fehlercodes und Ereignisse						
Steuergerä							
	iber Beanstandungen oder Symptome						
	formationen und aktuelle Fehlersuche						
Sonderfunktio	nen						
ESC F	Auswahi F3	<b>%</b> F6	<b>5</b> 11	ESC F			🍏 F11
	Construction	nit adaptions				Variant coding	



Fahrzeug	203.052		Steuergerät	KIW	
Varianten	codierung				
Ländervarian	encodierung				
Sonderaussta	ttungen				
Kombiinstrum	entspezifische Codier	ungen			
Konfiguration	der Menüpunkte im N	Aultifunktionsdis	play		
Schlüsselabh	angiges Speichern				
Motortyp					
Tankgeber					
ESC F	1 F3 Au	swahi			<b>%</b> F11

Fahrzeug	203.052	Steuergerät KIW
Sonderau	isstattungen	
Codierung		Aktueller Zustand
Memory		NICHT VORHANDEN
Telefon/iPod		NICHT VORHANDEN
Navigationssy	vstem	Nicht codiert
Spiegeleinkla	ppung	NICHT VORHANDEN
Anhängerübe	rwachung	NICHT VORHANDEN
Standheizung		NICHT VORHANDEN
Audio		Nicht codiert
Kofferraumde	eckel-Öffnungsbegrenzung	NICHT VORHANDEN
Tempomat		M272, OM646, Neues Automatikgetriebe (Code 427)
DTR Distronic	0	Nicht codiert
Taxi-Paket		NICHT VORHANDEN



	203.052	Steuergerät	KIW
Sonderau	usstattungen		
Codierung		Ak	ueller Zustand
Memory		NI	CHT VORHANDEN
Telefon/iPod		Ve	RHANDEN
Navigationssy	ystem	Nic	ht codiert
Spiegeleinkla	ppung	NI	CHT VORHANDEN
Anhängerübe	erwachung	NI	CHT VORHANDEN
Standheizung	1	NI	CHT VORHANDEN
Audio		Nic	ht codiert
Kofferraumde	eckel-Öffnungsbegrenzung	NI	CHT VORHANDEN
Tempomat			72, OM646, Neues tomatikgetriebe (Code 427)
DTR Distroni	¢	Nic	ht codiert
Taxi-Paket		NI	CHT VORHANDEN
1	<b>F</b> 1 <b>F</b> 3	F6Schreiben der Codierungen	<b>5</b>

Fahrzeug	169.032	Steuergerät K	I Kombiinstrument
Kundensp	pezifische Einstellungen		
Soll die Coo	dierung in das Steuergerät übertragen w	erden?	×
	JA   NEIN		
	JA F3 F4		



Download changes – F3

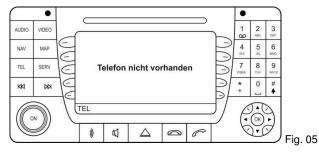
Coding completed

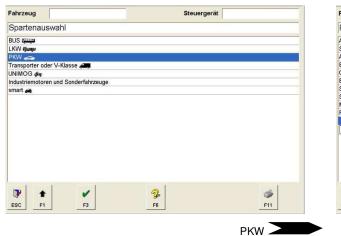


### Activation Telephone system

**ATTENTION:** The activation can not be done in advance. The installation has to be finished before starting the activation process.

In case after installation the note **"No Telephone not available"** (Fig. 5) will appear the telephone function needs to be activated by using diagnostic software.



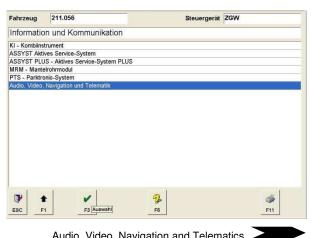


ahrzeug	Steuergerät	
PKW 🚗		
uswahl über Eingabe der FIN		
ämtliche Baureihen		
-Klasse		
I-Klasse		
-Klasse / CLK		
-Klasse / CLS		
-Klasse / CL / Maybach		
SL / SLR / SLK		
A-Klasse / G-Klasse / GL-Klasse		
-Klasse		
₽ + ✓		*
ESC F1 F3		
	vehicle selection	

Fahrzeug	209.361	Steuerge	rät
Hauptgru	ppen		
Kurztest			
Steuergeräte	übergreifende Funktion	en	
Steuergeräte			
Backwardke	tte: Erfassung der D	gnose- und Reparaturdaten (Bewähru	ngsdaten)
		urauftragsnummer, Betriebsnummer, Nam	e)
Eingabe bei f	Nachrüstungen und Um	auten	
ESC F	Fausw		<b>%</b> F11
		Control unit	

Fahrzeug	169.032	Steuergerät ZGW	
Steuerger	ätegruppen		
Antrieb			
Fahrwerk			
Aufbau			
Information u	nd Kommunikation		
Sitze und Tür	en		
Klima			
ESC F	Auswahi F3	<b>%</b> F6	<b>%</b> F11
	Inform	nation and Comunication	





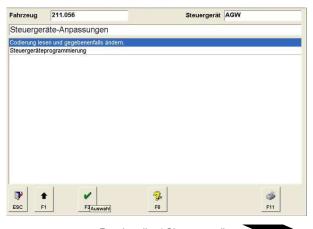
Audio, Video, Navigation and Telematics

	ideo, Navigation und	Telematik	
IINWEIS : Soll-Ist-Kon Diagnose in	figuration des MOST-Rings u n Steuergerät AGW fortsetze	nterschiedlich h.	

This note can appear – Continue with F2

	211.056	Steuergerät
Audio, Vi	deo, Navigation und Tel	ematik (Liste gefundener Steuergeräte)
AGW - Audio	gateway (MOST-Netzwerkman	agement, Diagnose-Gateway, Radio-Tuner)
COMAND / A Bedieneinhei		Bedieneinheit mit Navigation) oder COMAND (Anzeige- und
NAVI - Navig	ation ( Nur in Verbindung mit CO	MAND) (Nicht gültig für 🕡)
TEL - Mobilt	elefon-Adapter mit universeller S	chnittstelle
Symptome a	u den MOST-Steuergeräten	
Gesamtliste	aller Telematik-Steuergeräte	dieser Baureihe
	räteprotokoll Telematik	
Übersichtsb	ilder	
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P 1	1 F3 Auswahi	<b>%</b> F€

Fahrzeug	211.056	Steuergerät AGW
Audiogate	way (MOST-Netzv	verkmanagement, Diagnose-Gateway, Radio-Tuner)
Steuergerätev	version	
Fehlercodes		
Ereignisspeic	her	
Istwerte		
Ansteuerunge	n	
Inbetriebnahm		
Steuergeräte-	Anpassungen	
	ler geführten Prüfungen	
Gesamtliste o	ler Fehlercodes und Ereig	gnisse
	teprotokoll Telematik	
Service-II	nformationen und aktuelle	Fehlersuche
Fehlersuche ü	iber Beanstandungen ode	er Symptome
	r Einbau von MOST-Kom	ponenten oder von iPod
Entwicklungso		
Neustart des	optischen Rings	
Gefahr	durch elektrostatische l	Entladung
ESC F	F3 Auswah	🤧 🛷 11 F6 F11



Read coding/ Change coding



target configuration of MOST components





#### The following screen will be displayed – Starting situation

ahrzeug	211.056	Steuergerät AGW	Fahrzeug	211.056	Steuergerät AGW
Sollkonfigu	uration der MOST-K	Componenten	Sollkon	figuration der MOST-K	Componenten
		Codierung			Codierung
MOST-Master		Audiogateway oder Audio 20 mit CD-Laufwerk	MOST-Mas	iter	Audiogateway oder Audio 20 mit CD-Laufwerk
Komponente 1		Navigationsrechner	Komponen	te 1	Frei
Componente 2	1	COMAND oder AUDIO	Komponen	te 2	Frei
Componente 3	i	Frei	Komponen	te 3	Frei
Komponente 4		Frei	Komponen	te 4	Frei
Komponente 5		Frei	Komponen	te 5	Frei
Komponente 6		Frei	Komponen	te 6	Frei
Componente 7	0	Frei	Komponen	te 7	Frei
Komponente 8	ſ.	Frei	Komponen	te 8	Frei
Componente 9		Frei	Komponen	te 9	Frei
Componente 1	0	Frei	Komponen	te 10	Frei
Komponente 1	1	Frei	Komponen	te 11	Frei
Componente 1	2	Frei	Komponen	te 12	Frei
Componente 1	3	Frei	Komponen	te 13	Frei
Komponente 1	4	Frei	Komponen	te 14	Frei
Komponente 1	5	Frei	Komponen	te 15	Frei

NOTE: The displayed components (1-15) can verify in quantity depending on the vehicle equipment (see above).

**1.** Component "COMAND or AUDIO" needs to be moved to the next position below.

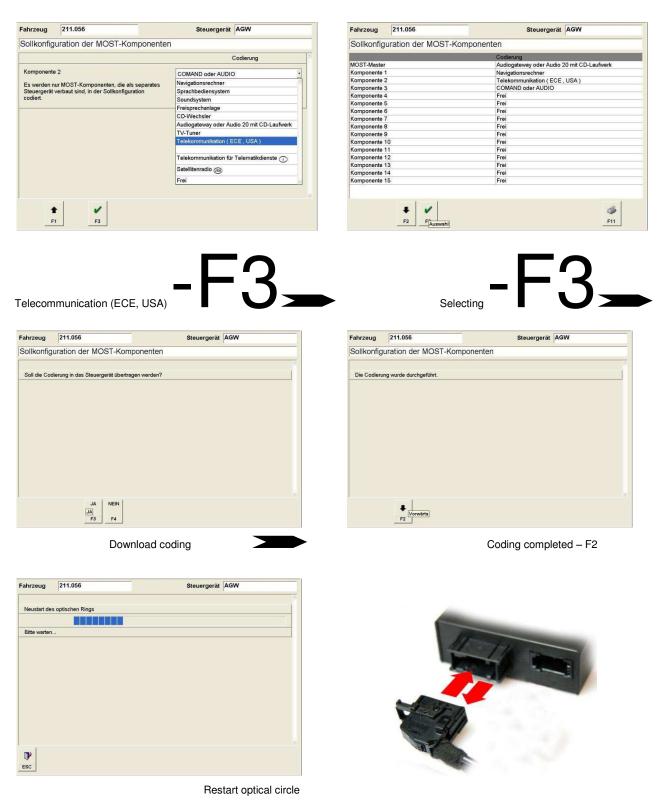
MOST-Master	Audiogateway oder Audio 20 mit CD-Laufwerk		
Komponente 1	Navigationsrechner		
Komponente 2	COMAND oder AUDIO		
Komponente 3	Frei		
Komponente 4	Frei		
Komponente 5	Frei		

2. Component "Telecommunication" needs to be added **BEFORE** "Comand or Audio".

MOST-Master	Audiogateway oder Audio 20 mit CD-Laufwerk
Komponente 1	Navigationsrechner
Komponente 2	Telekommunikation (ECE, USA)
Komponente 3	COMAND oder AUDIO
Komponente 4	Frei
Komponente 5	Frei

NOTE: In case no MOST components will be displayed (1-15) "Telecommunication" needs to be added to the very next possible position.





After restarting the optical circal the **Power supply** of the interface has to be **disconnected** and connected again.

**NOTE:** In case the interface is already fitted the fuse of the source has to be removed for a short time were the power supply of the interface is connected to (Red loom). Put the fuse back in again.





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/I - Navigation ( Nur in Verbindung	mit COMAND) (Nicht gültig für 🕣)		Istwerte		
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# Control elements

# **Multifunctional steering wheel**

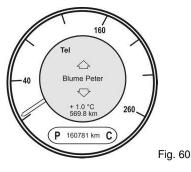
By pushing the **MENU** button 1 you will reach the phonebook (Fig. 59).

By using the **ARROW** buttons 2 you will select the single entries. By pushing the **ARROW** buttons 2 for about 3 Sec. the menu is switching to the next initial letter within the alphabet. Push the **PHONE** button 3 in order to place a call. Push the **HANG UP** button in order to cancel a call. With the **PLUS** - **MINUS** buttons you can control the volume 4.



### **Instrument cluster**

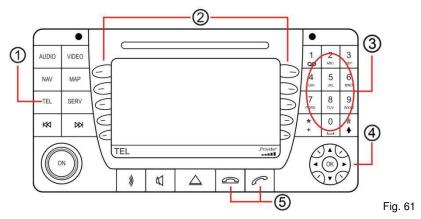
The phone book will also displayed within the instrument cluster (if activated) (Fig. 60)



# Head unit

**OEM-menu driven** operation by using the operating panels of the head unit (Fig. 61).

After pressing the button TEL 1 the system can be controlled as usual by using the **control keys** 2, **keypad** 3 and **navigation buttons** 4. With the **phone buttons** 5 you can accept and ignore calls directly.

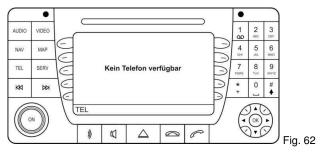


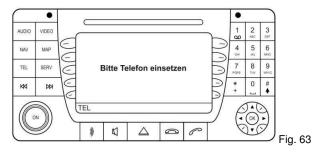


# Operation instruction

The following operating instruction is valid for head unit Comand (certain variations possible in consequence of original operating).

In case of no factory fitted hands free Fig. 62 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. 63.



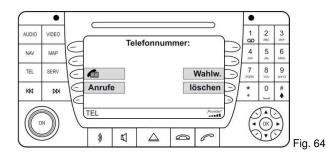


## Pairing

- 1. Press the TEL button on the head unit
- 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. 64. 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.



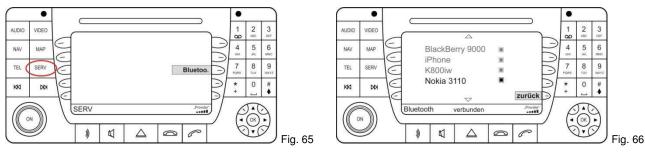
**NOTE:** The bluetooth connection will stay until the connection will be cancelled manually as well as by locking the vehicle.



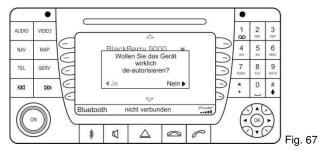
### **Bluetooth device list**

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

Press the buttons **SERV > BLUETOOTH** (Fig. 65-66).



Select the mobile phone you want to delete and press OK. Confirm with YES (Fig. 67).

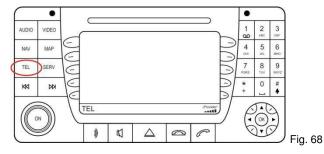


### **Factory settings**

By pushing the TEL button about 8 Sec. the factory settings will be restored (Fig. 68).

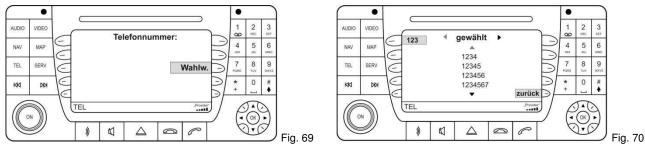
**NOTE:** In case of radio **Audio 20** the last stored mobile phone has to be paired up before pushing the TEL button.

NOTE: After reset please wait another 2 minutes before connecting the mobile phone again.



# Redialling

Press **DIALED** (Fig. 69). After that you do have access to dialed, missed, accepted calls. Select an entry for placing a call (Fig. 70).





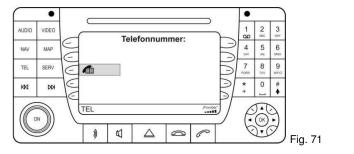
### Phone book

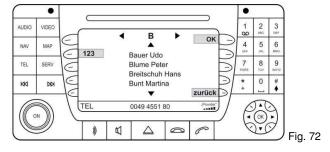
**NOTE:** The mobile phone must support phone book sync via Bluetooth to use this feature.

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 **PHONE BOOK** button (Fig. 71)

Select a phone number and press OK for placing a call (Fig. 72).





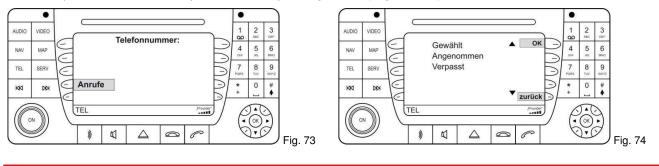
# Call lists

Press the buttons **RECVD > DIALED**/

**RECEIVED CALLS /** 

MISSED CALLS

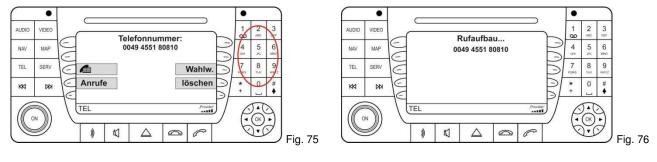
Select a phone number and press **OK** for placing a call (Fig. 73-74).



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

# Keypad

Entering a telephone number by using the key panel. Press the button **OK** C.

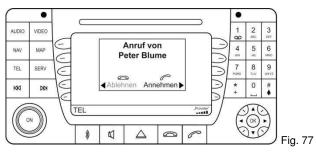




### Incoming calls

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.



## **A2DP Audiostreaming**

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

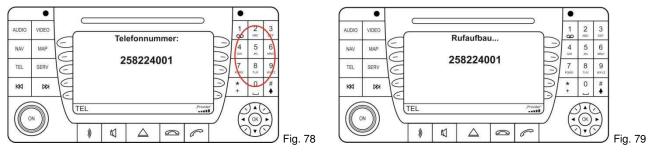
The mobile phone must support A2DP sync via Bluetooth to use this feature.

Only for vehicles without factory fitted CD-Changer.

### 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 head unit
- 3. Enter the following code: 258224001
- 4. After entering the code please press **DIAL** (Fig. 79)



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

#### After activation **Wehicle system needs to shut down**

**NOTE:** As soon as the display of the instrument cluster disappears the vehicle system shut down.

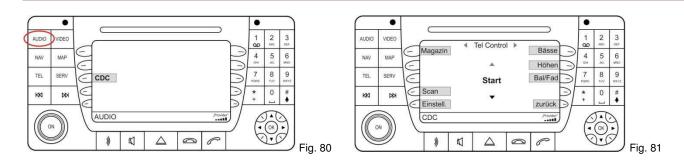
#### Restart the radio



In case of successful activation the CD-Changer (CDC) will be displayed after selecting AUDIO button (Fig. 80). Operation by using the CD-changer menu. Press the buttons AUDIO > CDC.

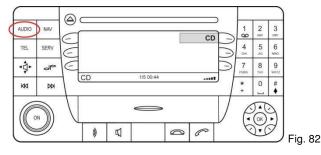
By using the menu **START – STOP – FORWARD – BACK** the music files stored on the mobile can be selected. (Fig. 81).

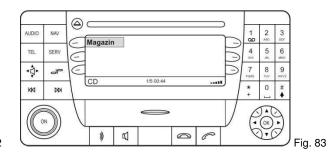
# **NOTE:** The mobile phone must support A2DP sync via Bluetooth to use this feature. In some cases the mobile phone does not support the operation.

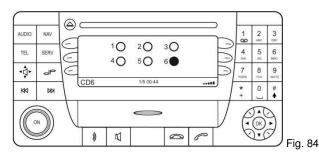


#### A2DP selection for radio "Audio 50"

#### **AUDIO > CD > MAGAZIN > CD 6** (Fig. 82-84).







#### **Operation Audio 50:**

- Track 1 STOP
- Track 2 FORWARD
- Track 3 BACK
- Track 4 START

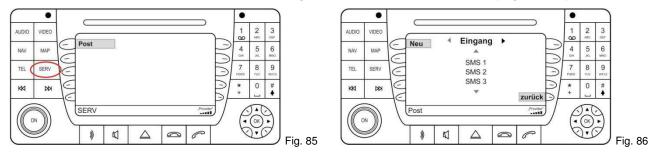


#### SMS Text message

**NOTE:** The mobile phone must support text msg sync via Bluetooth to use this feature. The number of text messages is limited to 90 messages.

In some cases the mobile phone does not support the single operations (Writing, Sending, Receiving).

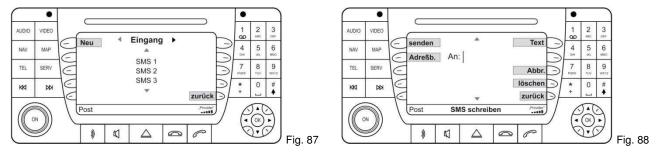
Press the button SERV > MAIL for accessing- INBOX, OUTBOX, DRAFT (Fig. 85-86).



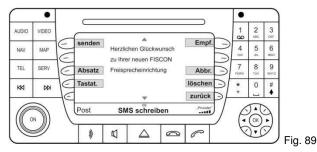
### Writing SMS Text message

By using the keypad short messages can be written as well as sent. Press the buttons **SERV** > **MAIL** > **NEW** (Fig. 87).

Enter the number or select an entry of the PHONE BOOK (Fig. 88).



Enter the message by using the keypad and press the button **SEND** (Fig. 89).



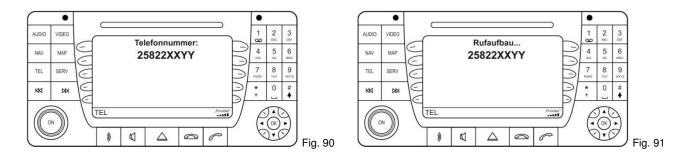
It is not possible to delete text messages by using the buttons of the head unit.



# Setup through head unit

### Setup processing

- 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 code please press **DIAL** (Fig. 91)



Function	XX	YY	Example
Volume Telephone	10	(0-15)	258221009
Volume ring tone	11	(0-15)	258221112
A2DP activation	40	01	258224001
A2DP deactivation	40	00	258224000
Microphone adjustment	14	(0-15)	258221409
Hardware Reset	21	77	258222177
Software Update	20	25	258222025
Reset protocol only at Mercedes	80	00	258228000
In case of problems during call set-up, except for SL230	80	01	258228001
Protocol conversion for SL 230	80	02	258228002

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

After proceeding the Setup **Vehicle system needs to shut down.** 

NOTE: As soon as the display of the instrument cluster disappears the vehicle system shut down.

Restart radio.



# 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.

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

I'm not able to use A2DP

- •A2DP function has to be activated before using.
- Your Bluetooth phone doesn't support A2DP

## FAQ – Online

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