

Version 1.09

Notice Installation

FISCON Pro Mercedes

Kit main libre

Réf: 825007

Mercedes

A-Class (W169)
B-Class (W245) -
C-Class (W203 après 04/2004)
CLK-Class (W209)
CLS-Class (W219)
E-Class (W211 après 03/2003)
GL-Class (X164)
M-Class (W164)
R-Class (W251)
SLK-Class (R171)
SL-Class (R230)
Viano (W639)
Vaneo
Sprinter

(Compatible avec Audio 20, APS 50, Comand)

(Non compatible Comand NTG 2.5)

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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 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

Bluetooth Interface
Wiring
Housing
Fiber Optic transfer connector
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.

Accessoires nécessaire pour votre véhicule

Selon l'équipement de votre véhicule vous aurez besoin de certains accessoires livrés dans le kit. Microphone, interface et faisceau seront nécessaires.

Pour les véhicules avec fibre optique sur l'autoradio

Dans le cas où la fibre optique est présente derrière l'autoradio, utilisez ces éléments:



Fig. 1

Pour les véhicules sans fibre optique sur l'autoradio

~~Dans le cas où la fibre optique n'est pas présente derrière l'autoradio, utilisez ces éléments~~



Fig. 2

Pour les véhicules avec Kit main libre déjà installé

Si votre véhicule est déjà équipé d'un **Kit main libre** vous aurez besoin d'un **accessoire non fournis**.

A commander sur le site - www.kufatec.de – Réf. article: 36782



NOTE: La Fibre optique 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

Classe E W211, CLS W219

Enlever le cache du levier de vitesse (Fig. 6-7). Enlever le cache autour du levier de vitesse fixé par 2 crochets (fig.7).



Fig. 6



Fig. 7



Fig. 8

Devisser les vis de la climatisation (Fig. 9). Devisser les vis de l'autoradio (Fig. 11).

NOTE: Ses vis doivent être dévissées jusqu'au bout. Enlever l'autoradio.



Fig. 9



Fig. 10



Fig. 11

W164, X164

Enlever le cache de la console de climatisation en tirant doucement (Fig. 12). Devisser les vis de l'autoradio (Fig. 13). Faire glisser les gouttières vers le bas (Fig. 14). Enlever l'autoradio.



Fig. 12



Fig. 13



Fig. 14

W169, W245 Les aérateurs doivent être enlevés

Crocheter dans les aérateurs (Fig. 16) avec des outils adaptés. Tirer les aérateurs doucement.



Fig. 15



Fig. 16



Fig. 17

Devisser les vis supérieures de l'autoradio (Fig. 18). Retirer doucement le cache de la console de clim avec des outils adaptés (Fig. 19). Devisser les vis inférieures de l'autoradio (Fig. 20). Enlever l'autoradio.



Fig. 18



Fig. 19



Fig. 20

W251

Retirer doucement le cache de la console de clim avec des outils adaptés (Fig. 21). Devisser les vis de l'autoradio (Fig. 22). Faire glisser les gouttières vers le bas (Fig. 23). Enlever l'autoradio.



Fig. 21



Fig. 22



Fig. 23

W203, W209

W203 - Retirer doucement le cache des aérateurs avec des outils adaptés (Fig. 24). Mettre les molettes de ventilation en position basse et les aérateurs orientés vers le haut (Fig. 25).



Fig. 24



Fig. 25

Devisser les vis inférieure des aérateurs (Fig. 26). Enlever les aérateurs en tirant sur les fixations du haut (Fig. 27).



Fig 26



Fig 27

Devisser les vis vers la partie inférieure des aérateurs (Fig. 28).

W209 - Retirer doucement le cache montrer sur la Fig. 29.

Retirer le cache de la console centrale en tirant (Fig. 30).



Fig. 28



Fig. 29



Fig. 30

Déverrouiller les crochets du cendrier (Fig. 31). Enlever le cendrier. Devisser les vis de la console de clim (Fig. 32). Devisser les vis de l'autoradio (Fig. 33). Enlever l'autoradio.



Fig. 31



Fig. 32



Fig. 33

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).



Fig. 34



Fig. 35



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

Pour les véhicules équipés de Fibre Optique sur l'autoradio

Deconnecter le connecteur Fakra (Fig. 37) puis le connecteur MOST (Fig. 38) de l'autoradio.

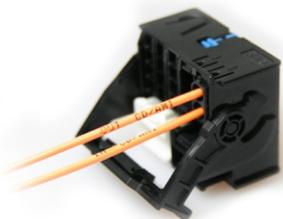


Fig. 37



Fig. 38

Retirer le cable Fibre Optique d'origine (Fig. 39). Mettre le connecteur fibre fourni à la place (Fig. 40).

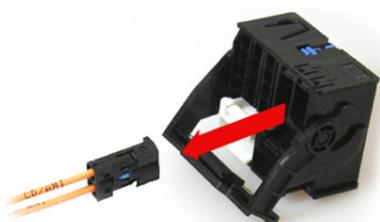


Fig. 39

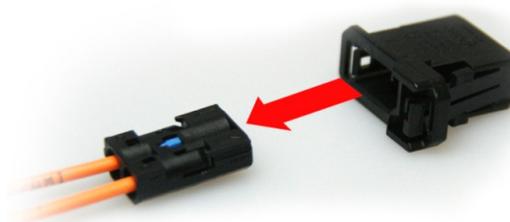


Fig. 40

Mettre le connecteur fibre Optique original dans le connecteur femelle fourni (Fig. 41, 42)



Fig. 41



Fig. 42

Remettre les connecteurs Fibre Optique dans le connecteur Fakra puis connecteur MOST (Fig. 43,44).

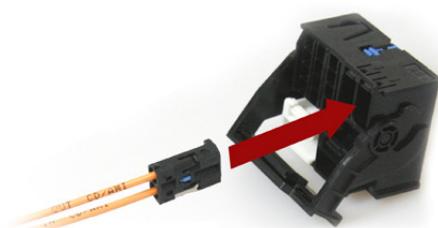


Fig. 43



Fig. 44

Connecter les connecteur 18-Pins et Fibre Optique dans l'interface (Fig. 45) (retirer les caches de l'interface). La photo 46 montre la connexion finale de l'interface.

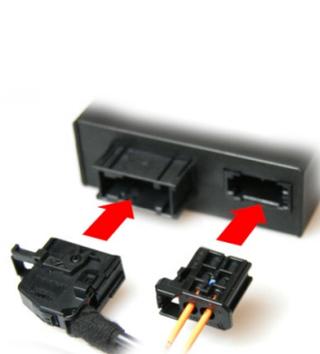


Fig. 45

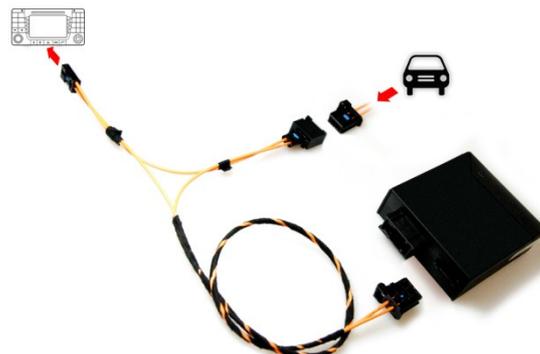


Fig. 46

Pour les véhicules NON équipés de Fibre Optique sur l'autoradio

Placer le connecteur Fibre Optique fourni dans le connecteur Fakra de l'autoradio (Fig. 47).

Placer le connecteur Pont Fibre Optique fourni dans le connecteur femelle fourni (Fig. 48).

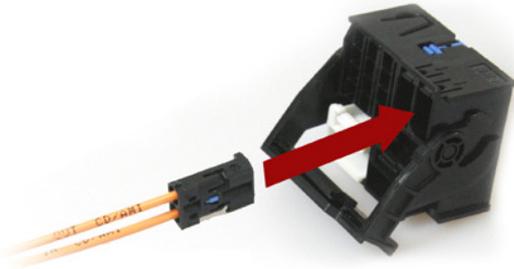


Fig. 47



Fig. 48

Connecter les connecteur 18-Pins et Fibre Optique dans l'interface (Fig. 49). La photo 50 montre la connexion finale de l'interface.

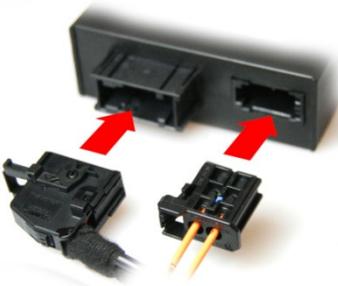


Fig. 49



Fig. 50

Microphone / ALIMENTATION

Connecter le jack femelle du connecteur plug & play du micro (Fig. 51).

Vous finirez l'installation en connectant les 2 fils d'alimentation. Regarder la photo 52 pour la connexion. Pour une bonne installation, nous conseillons de souder et sertir les nouveaux fils..

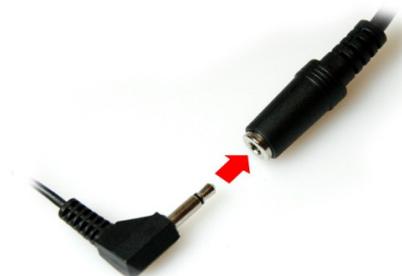


Fig. 51



Fig. 52

Installation aditionnel pour véhicule pré-équipé Mains-Libre

Uniquement pour véhicule pré-équipé usine Mains-Libre

Le système original de téléphonie doit être retiré. La position de l'unité de système Mains-Libre origine dépend de chaque véhicule.

Position sur SLK- R 171, E-W211

Retirer les caches du coffre. Dévisser les vis de la plaque de fixation (Fig. 53). Déconnecter la centrale du système Mains-Libre d'origine (Fig. 54).



Fig. 53



Fig. 54

Position sur W169

Sous le siège conducteur. Enlever le siège conducteur – retirer la moquette – Retirer le cache de ventilation. Le module interface Mains-Libre apparaît.

Déconnecter le connecteur comme montré sur la photo 55. Laisser le tel quel .

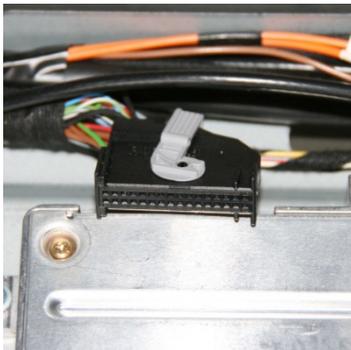


Fig. 55



Fig. 56

Joindre le connecteur Fibre Optique origine au connecteur Fibre Optique Pont fourni (Fig. 56 - 58 / item number 36782).

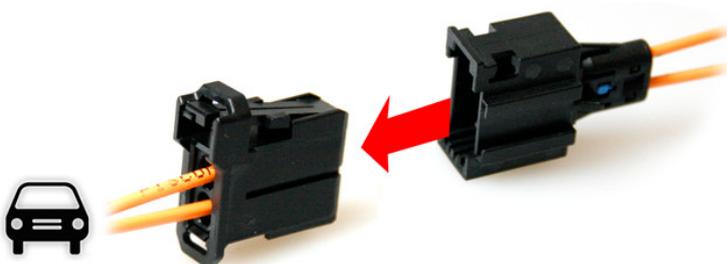


Fig. 57



Fig. 58

Encodage pour véhicule sans module Mains-Libre Origine

Activation du Driver information system



Fig. 03

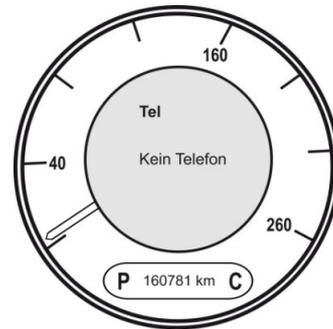


Fig. 04

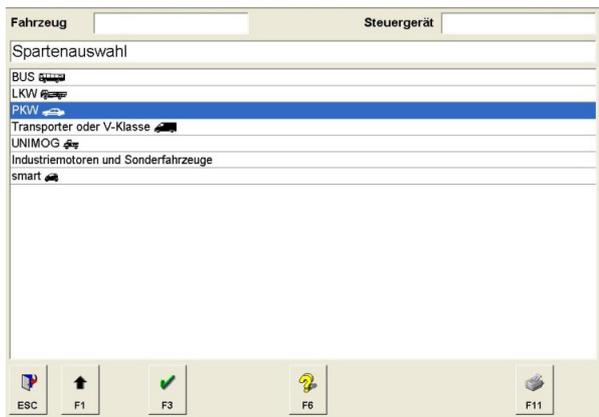
Naviguer à l'aide des boutons "Menu" (Fig. 03) dans les fonctions. Dans le cas où le menu "NO PHONE" apparaît (Fig. 04) le "driver information system" est déjà activé.

Dans le cas où le menu n'apparaît pas, vous devrez le faire activer à l'aide des outils de diagnostic. Contacter un agent Mercedes pour effectuer cette manipulation.

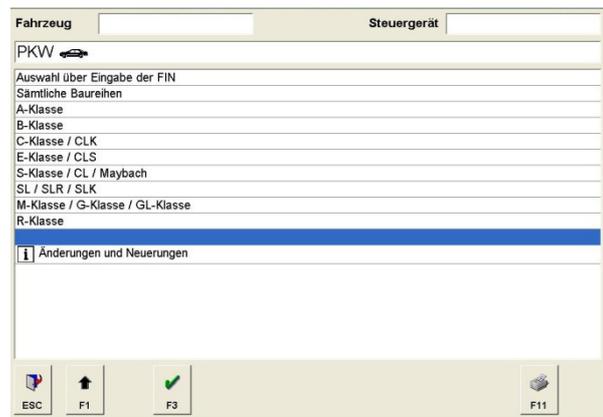
Cela dépend du véhicule: 2 dfcWYggi g'XfUWj Ujcb`diffrentg gcbhpossibleg.

Processus d'encodage 1

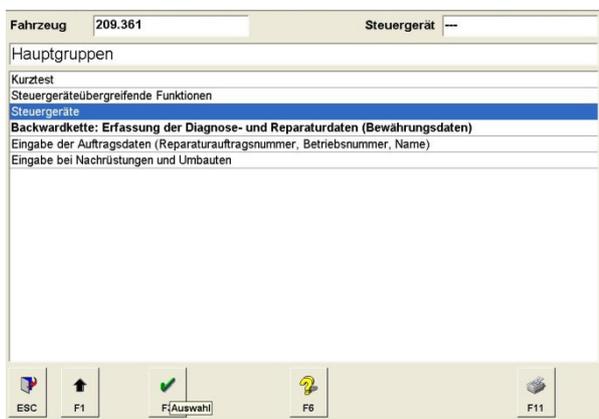
Pour les véhicules suivants: W169, W245, R171, W164, X164, W251



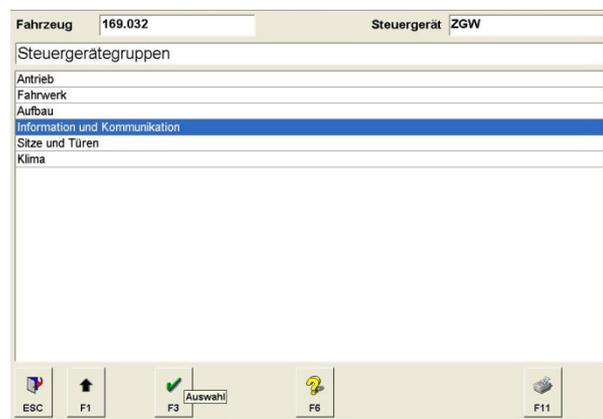
Type



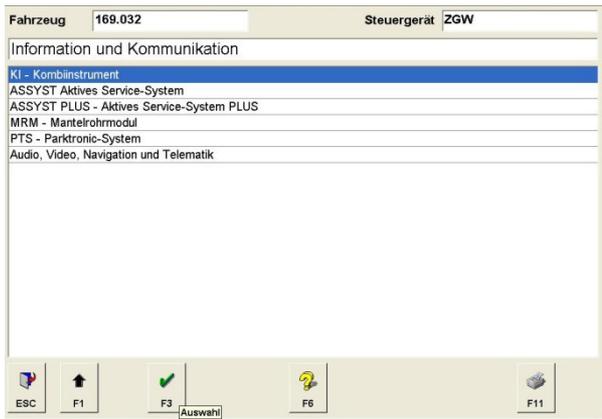
Modèle



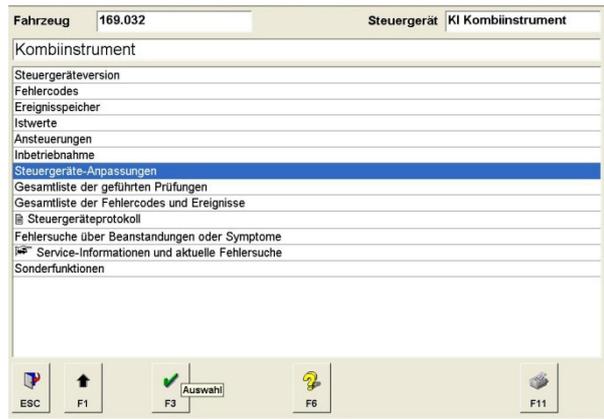
Control units



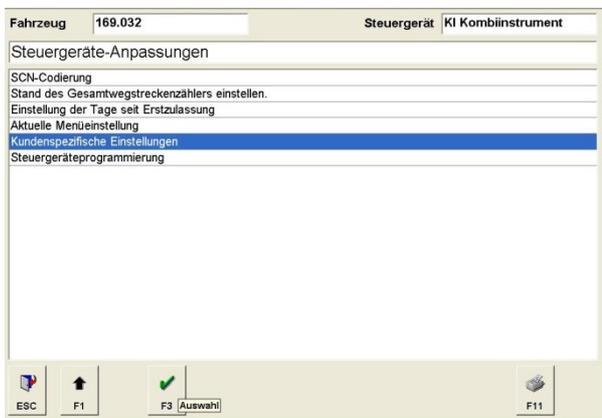
Information et Communication



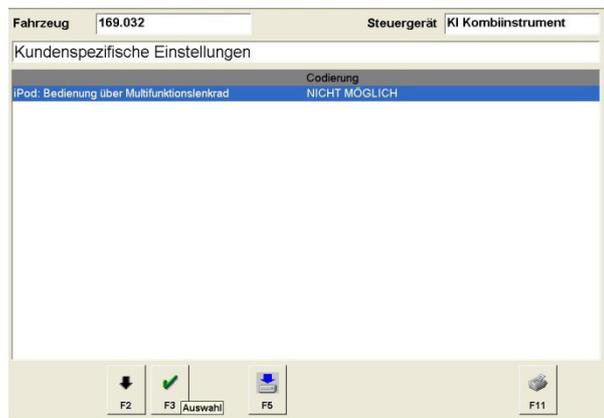
Instrument cluster



Control unit adaption



Réglages spécifiques Client



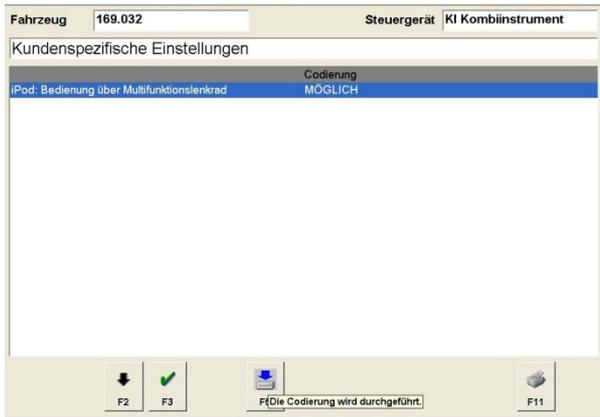
iPod



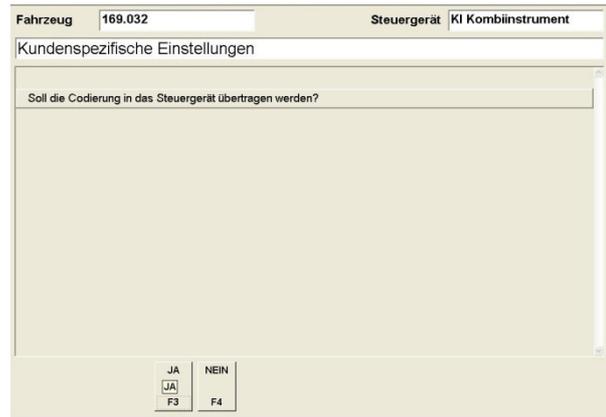
Non possible - possible



F3



Download changes - F5



F3

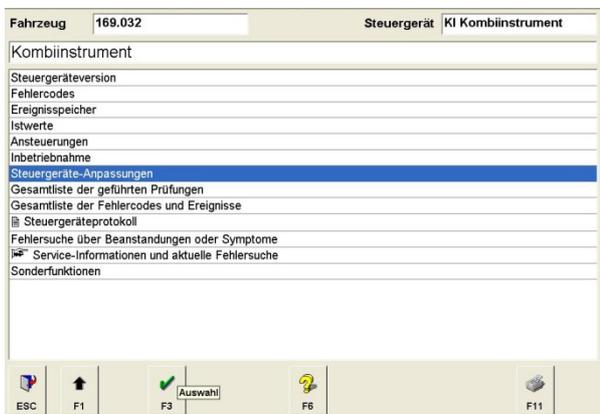


Fin

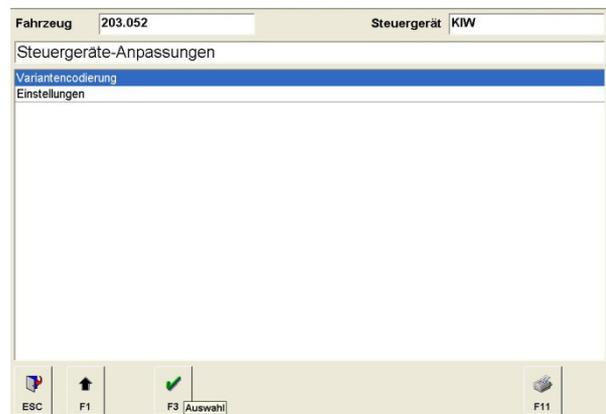
Processus d'encodage 2:

Etapes identique au processus 1 jusqu'a "Control unit adaptations"

Pour les véhicules suivants: W203, W209, W211, W219, R230



Control unit adaptations



Variant coding

Fahrzeug 203.052 Steuergerät KIW

Variantencodierung

- Ländervariantencodierung
- Sonderausstattungen**
- Kombinstrumentspezifische Codierungen
- Konfiguration der Menüpunkte im Multifunktionsdisplay
- Schlüsselabhängiges Speichern
- Motortyp
- Tankgeber

ESC F1 F3 Auswahl F11

Equipement Spécial →

Fahrzeug 203.052 Steuergerät KIW

Sonderausstattungen

Codierung	Aktueller Zustand
Memory	NICHT VORHANDEN
Telefon/iPod	NICHT VORHANDEN
Navigationssystem	Nicht codiert
Spiegeleinklappung	NICHT VORHANDEN
Anhängerüberwachung	NICHT VORHANDEN
Standheizung	NICHT VORHANDEN
Audio	Nicht codiert
Kofferraumdeckel-Öffnungsbegrenzung	NICHT VORHANDEN
Tempomat	M272, OM646, Neues Automatikgetriebe (Code 427)
DTR Distronic	Nicht codiert
Taxi-Paket	NICHT VORHANDEN

F1 F3 Codierung lesen und gegebenenfalls ändern F11

Telephone/ iPod →

Fahrzeug 203.052 Steuergerät KIW

Telefon/iPod

Telefon/iPod NICHT VORHANDEN

Hinweise zur Codierung:

- Nicht codiert
- NICHT VORHANDEN
- VORHANDEN**

Wenn die Sonderausstattung 'TEL Telefon' vorhanden ist, muss die Codierung auf 'VORHANDEN' eingestellt werden.

Wenn die Sonderausstattung 'iPod' vorhanden ist, muss die Codierung auf 'VORHANDEN' eingestellt werden.

ESC F1 F3 F11

Non possible - possible F3 →

Fahrzeug 203.052 Steuergerät KIW

Sonderausstattungen

Codierung	Aktueller Zustand
Memory	NICHT VORHANDEN
Telefon/iPod	VORHANDEN
Navigationssystem	Nicht codiert
Spiegeleinklappung	NICHT VORHANDEN
Anhängerüberwachung	NICHT VORHANDEN
Standheizung	NICHT VORHANDEN
Audio	Nicht codiert
Kofferraumdeckel-Öffnungsbegrenzung	NICHT VORHANDEN
Tempomat	M272, OM646, Neues Automatikgetriebe (Code 427)
DTR Distronic	Nicht codiert
Taxi-Paket	NICHT VORHANDEN

F1 F3 F5 Schreiben der Codierungen F11

F5 →

Fahrzeug 169.032 Steuergerät KI Kombiinstrument

Kundenspezifische Einstellungen

Soll die Codierung in das Steuergerät übertragen werden?

JA NEIN

JA F3 F4

Télécharger changement – F3 →

Fahrzeug 169.032 Steuergerät KI Kombiinstrument

Kundenspezifische Einstellungen

Die Codierung wurde durchgeführt.

F2

Encodage complet

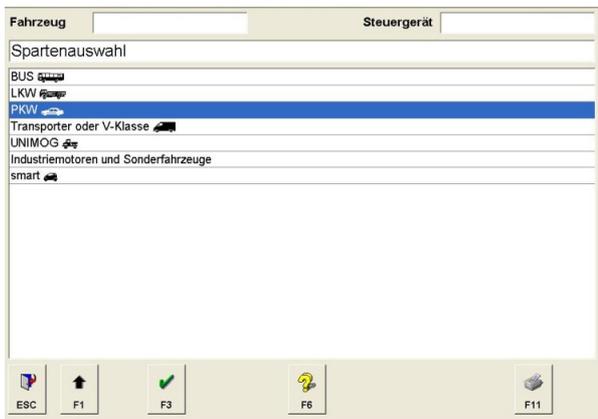
Activation Telephone system

ATTENTION: L'activation ne peut être faite avant. L'installation doit être complètement fini avant de lancer le processus d'activation.

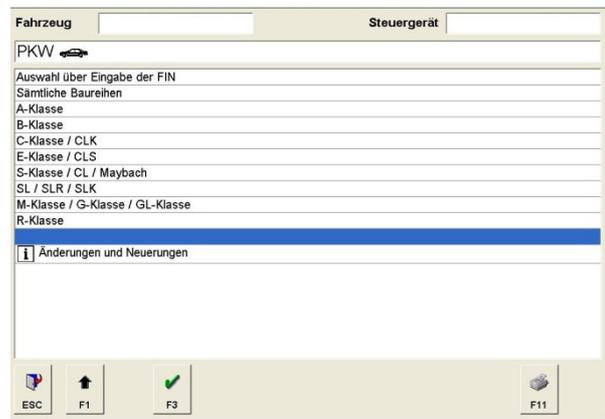
Dans le cas ou après l'installation „**No Telephone not available**“ (Fig. 5) apparait, la fonction téléphone doit être activé en utilisant le logiciel de diagnostic.



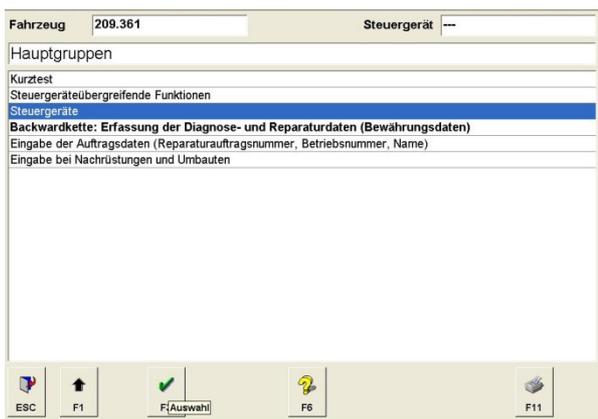
Fig. 05



Type →



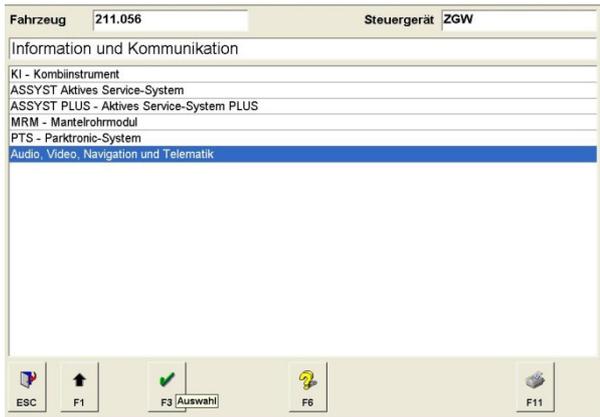
Modèle →



Control unit →



Information et Communication →



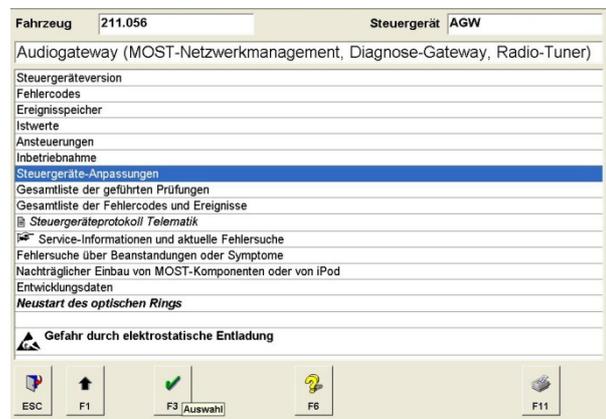
Audio, Video, Navigation et Telematics



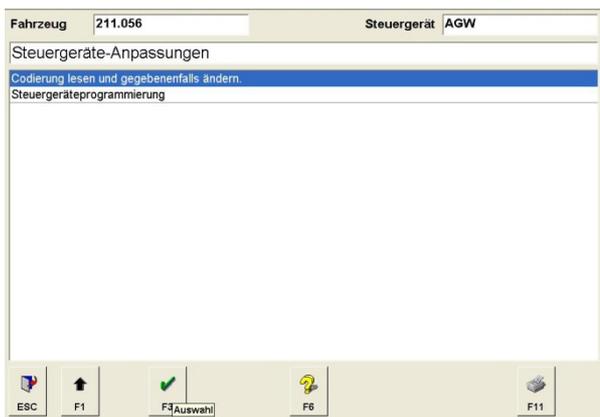
Cette note peut apparaitre – Continue avec F2



AGW



Control unit adaption



Lire le codage / Changer le codage



Configuration cible composant MOST

L'ecran suivant devrait s'afficher – **Situation de départ**

Fahrzeug	211.056	Steuergerät	AGW
Sollkonfiguration der MOST-Komponenten			
		Codierung	
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	
Komponente 6		Frei	
Komponente 7		Frei	
Komponente 8		Frei	
Komponente 9		Frei	
Komponente 10		Frei	
Komponente 11		Frei	
Komponente 12		Frei	
Komponente 13		Frei	
Komponente 14		Frei	
Komponente 15		Frei	

Fahrzeug	211.056	Steuergerät	AGW
Sollkonfiguration der MOST-Komponenten			
		Codierung	
MOST-Master		Audiogateway oder Audio 20 mit CD-Laufwerk	
Komponente 1		Frei	
Komponente 2		Frei	
Komponente 3		Frei	
Komponente 4		Frei	
Komponente 5		Frei	
Komponente 6		Frei	
Komponente 7		Frei	
Komponente 8		Frei	
Komponente 9		Frei	
Komponente 10		Frei	
Komponente 11		Frei	
Komponente 12		Frei	
Komponente 13		Frei	
Komponente 14		Frei	
Komponente 15		Frei	

Ou (e.g.)

NOTE: Les composants affichés (1-15) peuvent vérifier en quantité en fonction de l'équipement du véhicule (voir ci-dessus).

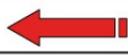
1. Composant "COMAND ou AUDIO" doivent être déplacé en position suivante.

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

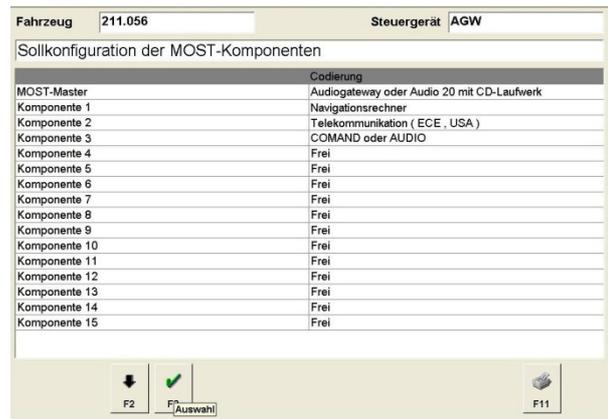
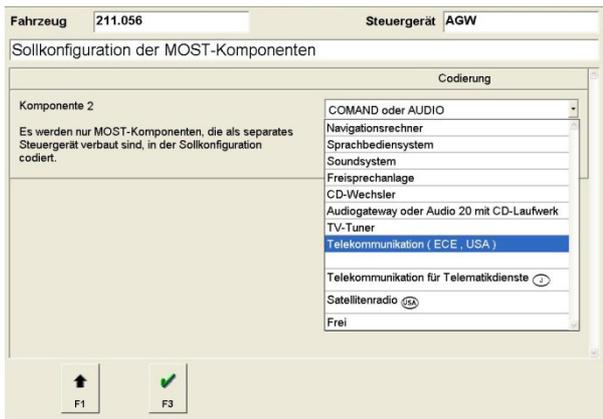


2. Composant "Telecommunication" doit être ajouté **AVANT** "Comand ou Audio".

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: Dans le cas où "PAS de composant MOST" apparaît (1-15), "Telecommunication" doit être ajouté dès que possible à la position suivante.



-F3 →

-F3 →

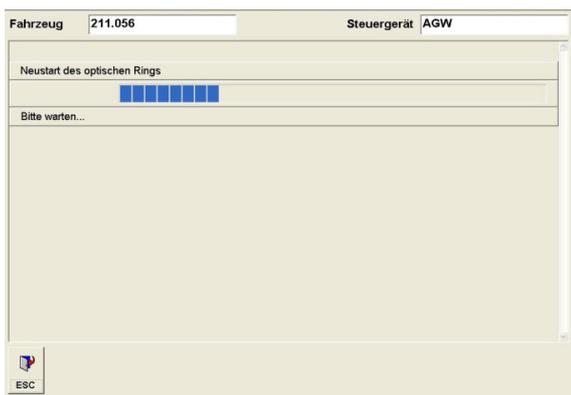
Telecommunication (ECE, USA)

Selectionner



Téléchargement du code

Encodage complet – F2



Redémarrage de la boucle optique

Après le redémarrage de la boucle optique, l'alimentation de l'interface doit être déconnectée et reconnectée.

NOTE: Dans le cas où l'interface est déjà équipé, le fusible de la source doit être enlevé pendant une courte période. Replacer le fusible.

➡ ProcXYf'XY'a Ub]YfY'jXYbl]ei Y`Yg'fHdYg'f gei f] "AGW" ➡

Fahrzeug 211.056 Steuergerät ---

Audio, Video, Navigation und Telematik (Liste gefundener Steuergeräte)

AGW - Audiogateway (MOST-Netzwerkmanagement, Diagnose-Gateway, Radio-Tuner)

COMAND / AUDIO - Audio 50 (Anzeige- und Bedieneinheit mit Navigation) oder COMAND (Anzeige- und Bedieneinheit)

NAVI - Navigation (Nur in Verbindung mit COMAND) (Nicht gültig für)

TEL - Mobiltelefon-Adapter mit universeller Schnittstelle

Symptome zu den MOST-Steuergeräten

Gesamtliste aller Telematik-Steuergeräte dieser Baureihe

Steuergeräteprotokoll Telematik

Übersichtsbilder

Neustart des optischen Rings

ESC F1 F3 [Auswahl] F6 F11

Sélectionner encore AGW

Fahrzeug 211.056 Steuergerät AGW

Audiogateway (MOST-Netzwerkmanagement, Diagnose-Gateway, Radio-Tuner)

Steuergeräteversion

Fehlercodes

Ereignisspeicher

Istwerte

Ansteuerungen

Inbetriebnahme

Steuergeräte-Anpassungen

Gesamtliste der geführten Prüfungen

Gesamtliste der Fehlercodes und Ereignisse

Steuergeräteprotokoll Telematik

Service-Informationen und aktuelle Fehlersuche

Fehlersuche über Beanstandungen oder Symptome

Nachträglicher Einbau von MOST-Komponenten oder von iPod

Entwicklungsdaten

Neustart des optischen Rings

Gefahr durch elektrostatische Entladung

ESC F1 F3 [Auswahl] F6 F11

Control unit adaptations

Fahrzeug 211.056 Steuergerät AGW

Steuergeräte-Anpassungen

Codierung lesen und gegebenenfalls ändern.

Steuergeräteprogrammierung

ESC F1 F3 [Auswahl] F6 F11

Lire le codage / Changer le codage

Fahrzeug 211.056 Steuergerät AGW

Codierung lesen und gegebenenfalls ändern.

Sollkonfiguration der MOST-Komponenten

Istkonfiguration der MOST-Komponenten als Sollkonfiguration übernehmen.

Radioparameter

Neustart des optischen Rings

ESC F1 F3 [Auswahl] F6 F11

Reporter de Configuration actuelle à Configuration Cible.

Fahrzeug 211.056 Steuergerät AGW

Sollkonfiguration der MOST-Komponenten

Komponente	Codierung
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
Komponente 6	Frei
Komponente 7	Frei
Komponente 8	Frei
Komponente 9	Frei
Komponente 10	Frei
Komponente 11	Frei
Komponente 12	Frei
Komponente 13	Frei
Komponente 14	Frei
Komponente 15	Frei

F2 F3 [Auswahl] F11

Fahrzeug 211.056 Steuergerät AGW

Istkonfiguration der MOST-Komponenten als Sollkonfiguration übernehmen.

Frage :
- Soll die aktuelle Istkonfiguration der MOST-Komponenten als zukünftige Sollkonfiguration in den MOST-Master geschrieben werden?

JA NEIN
F3 F4 F6 F11

Confirmer configuration courante

Fahrzeug 211.056 Steuergerät AGW

Neustart des optischen Rings

Bitte warten...

ESC

Redemarrer la boucle optique

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.



Fig. 59

Instrument cluster

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

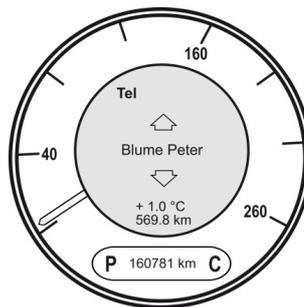


Fig. 60

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.

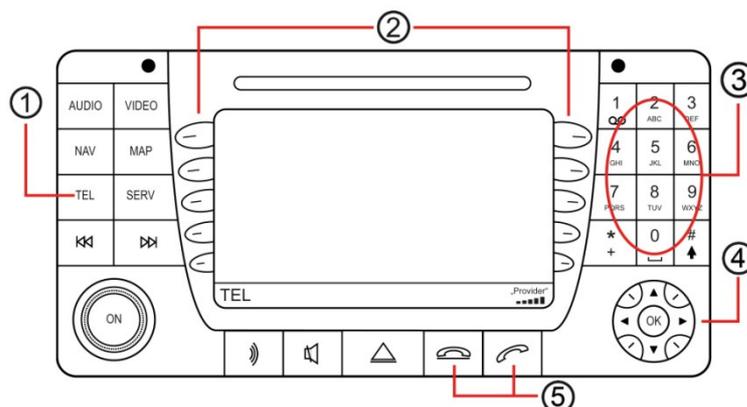


Fig. 61

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.

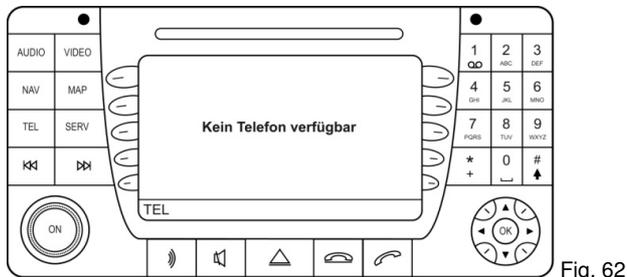


Fig. 62

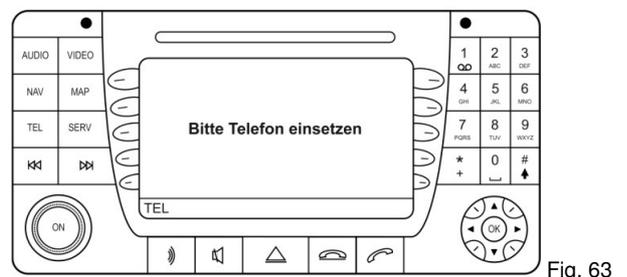


Fig. 63

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**.

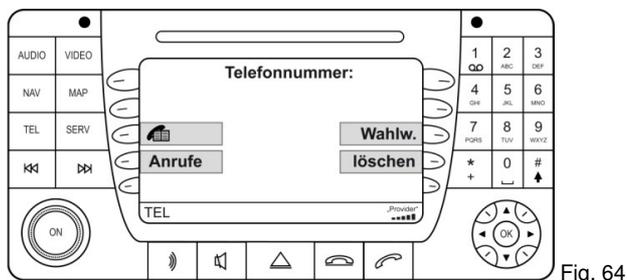


Fig. 64

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).

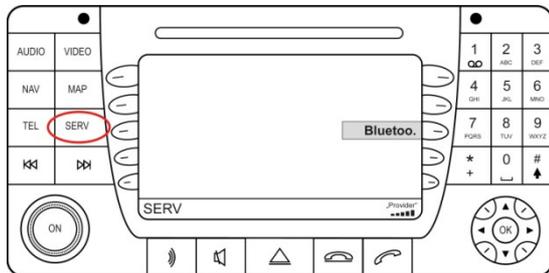


Fig. 65

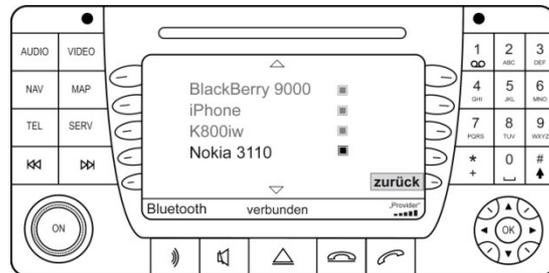


Fig. 66

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



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.

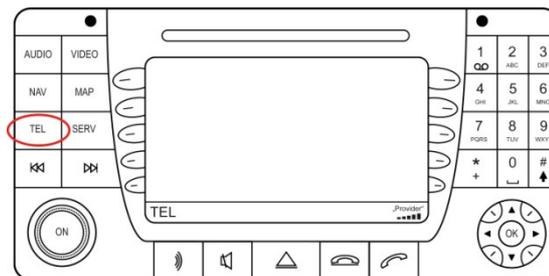


Fig. 68

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).



Fig. 69



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).

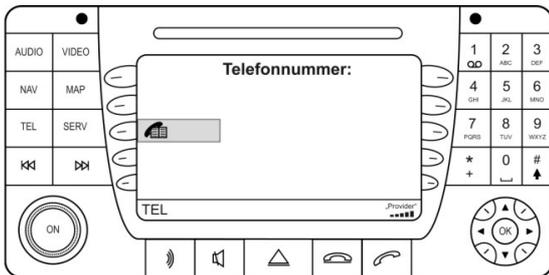


Fig. 71



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).

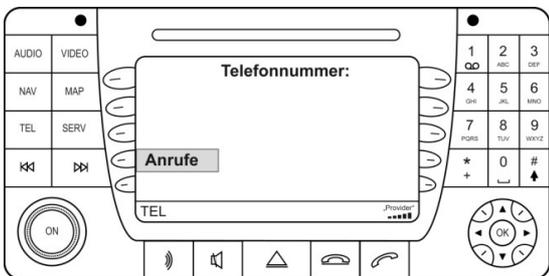


Fig. 73



Fig. 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** .



Fig. 75



Fig. 76

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. 77

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)



Fig. 78



Fig. 79

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: 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.

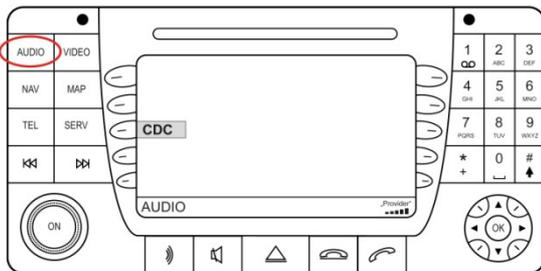


Fig. 80

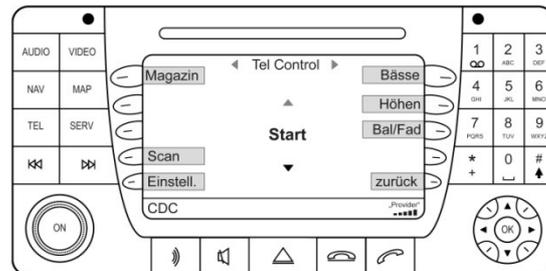


Fig. 81

A2DP selection for radio „Audio 50“

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

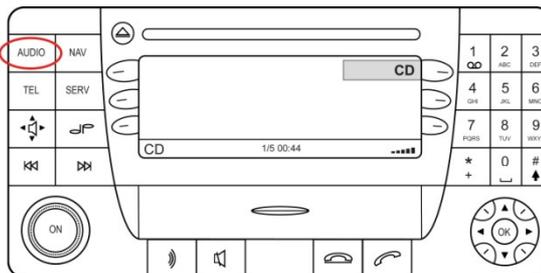


Fig. 82

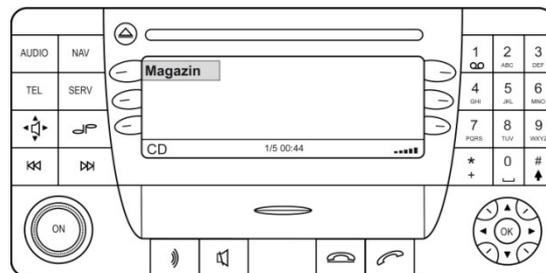


Fig. 83

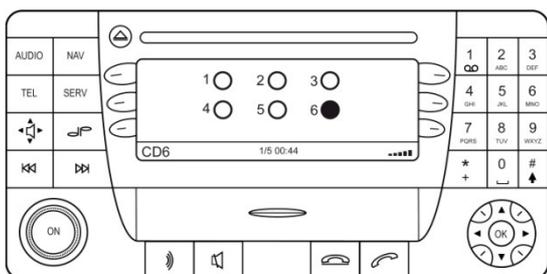


Fig. 84

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).

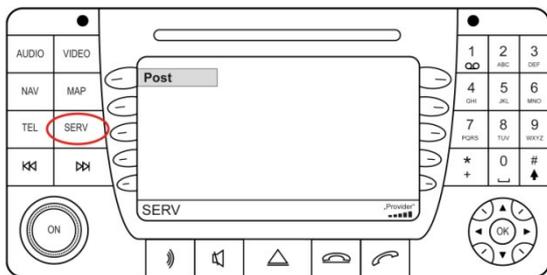


Fig. 85



Fig. 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).



Fig. 87

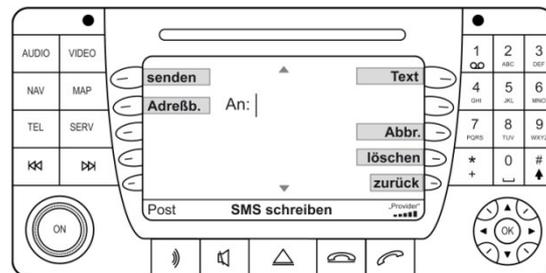


Fig. 88

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



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)



Fig. 90

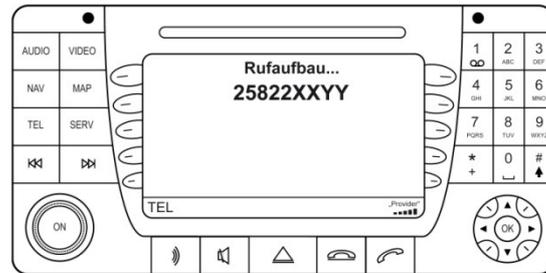


Fig. 91

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

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 has 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>