Installation instruction
FISCON Pro hands-free speaking system
BMW F-Series

Article no.:   38975, 38975-1

BMW F-Series

Contents

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

Copyright

Our assembly and operation manuals, assembling diagrams and additional documentation in text or picture form are protected by law.

Disclosure and distribution of this documentation through print or online media is permitted only after previous written acceptance from Kufatec GmbH & Co. KG.

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.

Therefore please read with great care and completely this operating manual and store it appropriately!

For your safety all our products pass through a 100% control check.

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 warranty claims as well as the operating permissions become 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) self-made repairs on the device

> d) improper use / operation

> e) brute force to the device (drop, willful 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 the failure search to ca. 0,5 hour for the mechanical resp. 1.0 hour for electric labors during the assembly or functioning problems.

To avoid unnecessary additional expenses please send immediately an inquiry to our technical support using the Kufatec form (http://www.kufatec.de/shop/de/infocenter/).

Please provide always the following information:

- chassis number

- part number of the add-on kit

- exact description of the problem

- already executed labor

Safety instructions

The installation can be executed only by trained qualified personnel. Before the installation disconnect the power supply. Therefore cut off the battery from the vehicle electric system, follow the manufacturer's specification.

> • *Never use bolts, screws and other fastening elements from car's safety devices or steering wheel, brakes because it may influence your driving safety and cause accidents.*

> • *Connect the device only to a 12V vehicle voltage with chassis ground to the car body. This unit cannot be used in large trucks or other vehicles which use a DC 24 V battery wiring system voltage.*

> • *Avoid to install the device in places where it could hinder the safe driving or functional efficiency of the other units installed in the vehicle.*

> • *This unit is only for the use with the following vehicles and model line; Only connections described within this instruction manual are allowed or required to use for installation.*

> • *For damage impact caused by faulty installation, unsuitable connections or assembling in inappropriate vehicle types or models Kufatec GmbH &Co.KG assumes no liability.*

> • *We advise you that these units process data out of the MOST protocol from the vehicle. During the assembly of this unit we as supplier have access to a specific model and we as producer don't know the overall system you work with.*

> • *Especially in case of changes within the same model line and the same model year we don't guarantee the usability of our products. In case of the usability of our products with the manufacturer's changes Kufatec GmbH assumes no liability.*

> • *Kufatec GmbH assumes no liability that the assembly of the unit described in this manual is approved according the warranty regulations of the single car manufacturers. Please check your manufacturer's conditions and warranty before you begin the installation.*

> • *Kufatec GmbH reserves the right to change the device specification without further notice.*

> • *Errors and changes excepted.*

References of legal regulations for operation

Use this unit in the intended domain only.

If you use the unit in a foreign domain, if the unit is not installed properly, or if the unit will be reconstructed the operating permit and warranty will expire.

Notes

NOTE: It is not necessary after the installation to contact a BMW dealer. The final adaptation to the vehicle will be carried out full automatically with the **diagnosis interface article no.: 39038**.
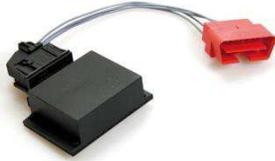
NOTE: Before the installation check whether the vehicle is equipped with adapters of different brands. If there is assembled another interface than developed by Kufatec GmbH & Co. KG, so the trouble-free function of the hands-free speaking system cannot be guaranteed. Respectively the interface of different brand has to be removed of the vehicle.

NOTE: **Light conductor must not be bend or broken! The recommended laying radius amounts to 40mm.** Faulty installation can result in higher cushioning and run-time differences. In such case the trouble-free functioning of the hands-free speaking system cannot be guaranteed.

NOT COMPATIBLE

with the following radio systems:

- AL2651

COMPATIBLE

with the following radio systems:

- AL2652

NOTE: When updates are made by a workshop, the construction has to be removed from fibre optic ring.

Installation time

An experienced mechatronics technician needs about 5 hours for the complete installation.

Scope of delivery

Bluetooth Interface

Specific cable harness

Plug casing

Microphone

Light conductor, bridge

FISCON Pro functions

- Uncomplicated assembly, no cutting of wires necessary
- All standard functions of the vehicle will be preserved
- Operation through the iDrive control unit
- Indication of the phone information on the central display
- **Speech output** through the vehicle speakers – installation of additional speakers is not necessary

- Use of the following **telephone functions:**
    - Recall of the **telephone book entries, call lists** (depending of the phone)
    - **Direct entry** of phone numbers
    - **A2DP Audio streaming** for the playback of music files through the vehicle speakers – only for vehicles **without** CD-changer – **A2DP** function **has to be activated** before the use **– in case of vehicles with factory-installed CD-changer** or **iPod/USB** interface the **activation may not** be executed.
    - **Unlimited** Software **Updates**
    - Sound volume regulation

Installation instructions
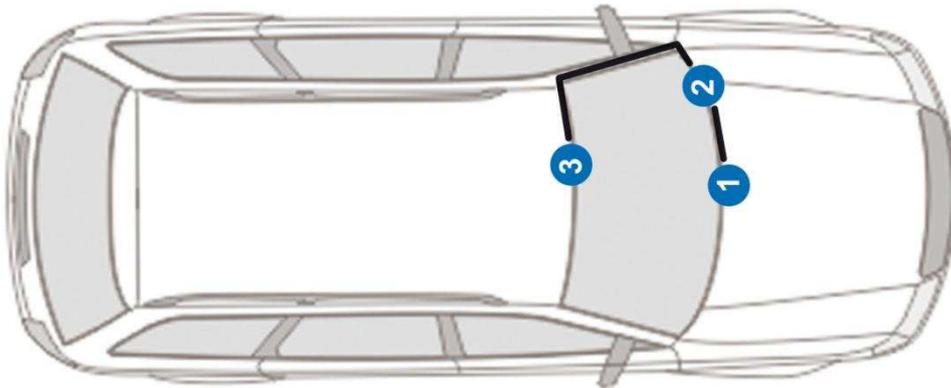
Scheme

1 – Radio-unit/ navigation computer

2 – Telephone interface (position can vary)

3 – Microphone

> **NOTE:** The positioning of the telephone interface and the laying of the microphone wire can vary between different model lines.

1er – F20

3er – F30

5er – F07, F10, F11

7er – F01

Dismantling of the blind from the dashboard. The blind is fastened in 7 spots.

Fig.1

Fig.2

Lever carefully the blind out of the frame using a suitable tool (dismantling wedge – in order to avoid damage).
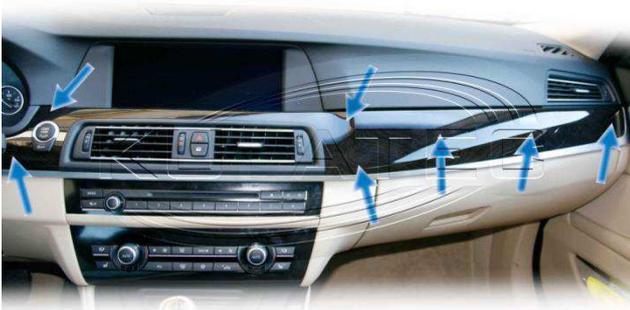
Fig.3

Fig.4

Loosen the screws of the front blind (air condition control unit) – disconnect the original plug connections – remove the air condition unit.

Fig.5

Fig.6

Unscrew the necessary bolts of the radio navigation device – disconnect the original plug connections – pull out the unit carefully.
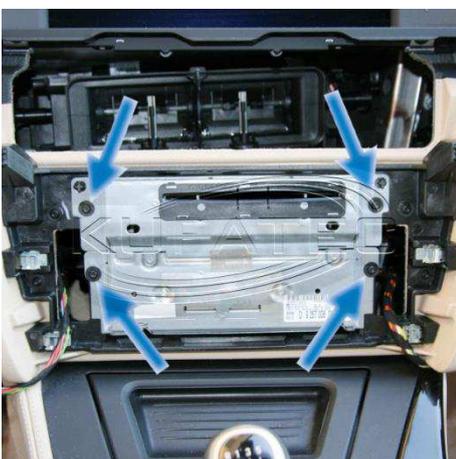

Fig.7

Fig.8

X3er – F25

Disassembly of the blind underneath the radio unit. Carefully lever the ventilation nozzles out of the frame using a suitable tool (dismantling wedge – in order to avoid damage).

Fig.9

Fig.10

Loosen the screws of the front blind (air condition control unit) – disconnect the original plug connections – remove the air condition control unit. Unscrew the necessary bolts of the radio navigation device – disconnect the original plug connections – pull out the unit carefully.

Fig.11

Fig.12

Microphone

Loosen the necessary bolts of the lining underneath the steering wheel and the side covering of the fuse box. Lever the airbag shield (with a suitable dismantling wedge) out of the frame and remove the screw situated behind it.
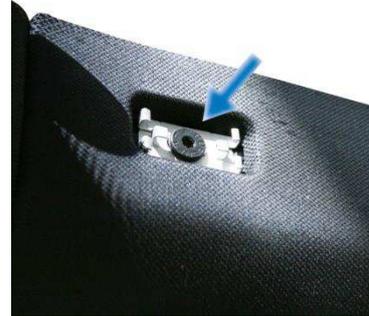

Fig.13

Fig.14

Fig. 15

Laying of the microphone wire (using a support wire and adhesive tape) toward the interior light. Adjust the microphone to the driver's position.

Fig.16

Fig.17

NOTE: If the vehicle is equipped with airbags, then for safety make sure that the microphone wire is laid **BEHIND** the airbag and not on the voltage. Fasten the wire so that the airbag function will not be affected.

NOTE: Because of the speaking quality the microphone must not be placed hidden in the interior light.

Interface Connection

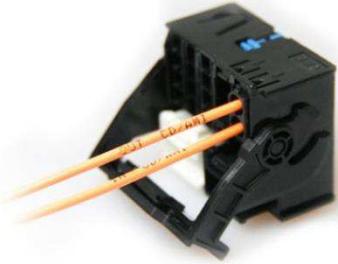Take the Quadlock plug out of the radio resp. navigation unit. Remove the light conductor.
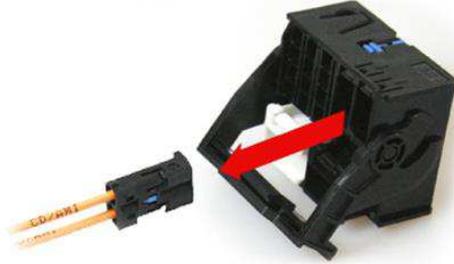

Fig.18

Fig.19

Plug the delivered housing on the just removed (original) light conductor. Connect the original light conductor with the socket of the delivered cable harness.
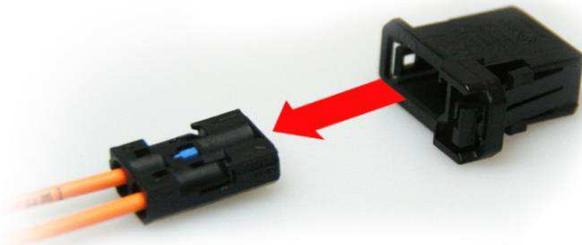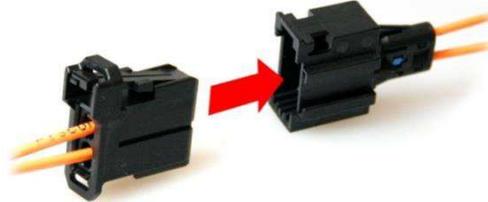

Fig.20

Fig.21

Integrate the light conductor of the delivered cable harness in the Quadlock plug.
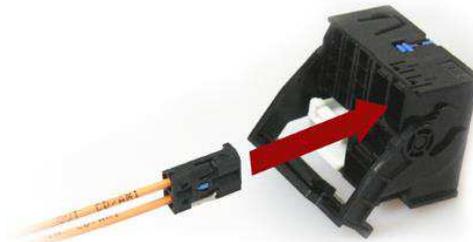

Fig.22

Fig.23

Connect the 18-pin plug and the light conductor plug to the telephone interface – remove the blind plug of the interface. The figure 25 shows the correct connection of a telephone interface.
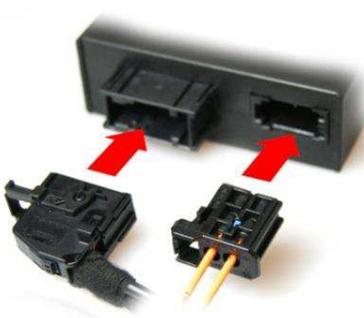

Fig.24

Fig.25

Microphone/ Power supply

Connect the jack plug of the microphone to the delivered cable harness. The wires **brown (ground)** and **red (permanent positive)** have to be connected specifically to the vehicle by means of a braze or a new crimp joint. **Do not use any press-on connectors!**
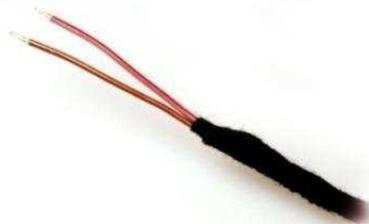

Fig.26

Fig.27

BROWN – GROUND   **RED – PERMANENT POSITIVE**

> **NOTE:**   The final adaptation to the vehicle has to be executed with the **diagnosis interface article no.: 39038**.

Operation elements

Multi-function steering wheel

By pressing the **TELEPHONE** key incoming calls can be answered. With the **PLUS - MINUS** keys the sound volume can be adjusted.

Fig.28

Fig.29

iDrive operation unit

The telephone system is controlled through the keys of the iDrive operation unit.

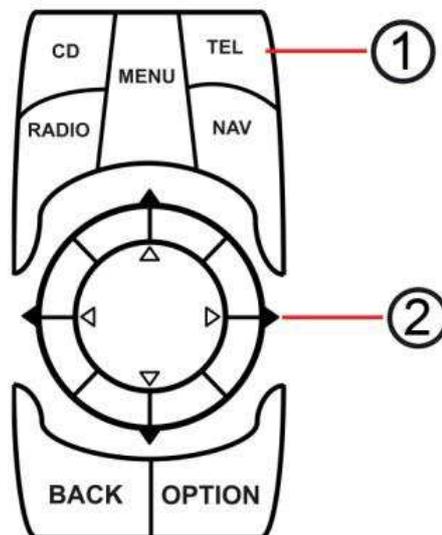After pressing the key **TEL** ① resp. **MENU** ① the system can be controlled by means of a **control dial** ②.

Fig.30

Operation instructions

After a successful installation and activation the menu item **telephone** can be selected.

Hauptmenü	12:00
CD/Multimedia	
Radio	
Telefon	
Navigation	
Kontakte	
BMW Dienste	
Fahrzeuginfo	
Einstellungen	

Fig.31

Teaching-in

1. Select the telephone in the menu item iDrive
2. Activate the Bluetooth function on the mobile phone
3. Search the new Bluetooth devices by means of the mobile phone
4. Follow the instructions of the information system concerning the pairing process
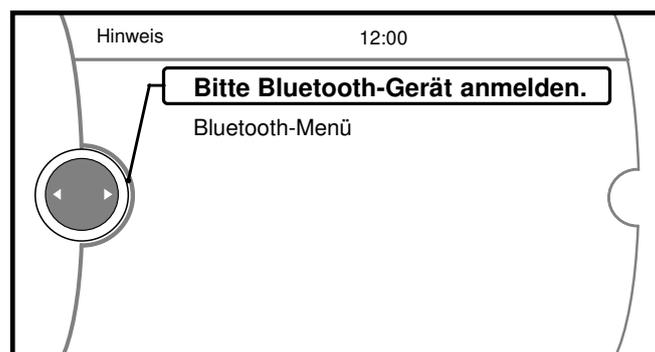5. Password entry in the mobile phone – **1234** – confirmation

Hinweis	12:00
Bitte Bluetooth-Gerät anmelden.	
Bluetooth-Menü	

Fig.32

Bluetooth device list

You can deposit up to **5 mobile phones**. When already 5 phones are deposited in the system and a further one should be connected, then a saved phone has to be removed from the Bluetooth device list.

Select a telephone from the list – select the function **remove a device from the list** in order to delete the particular phone from the list**.**
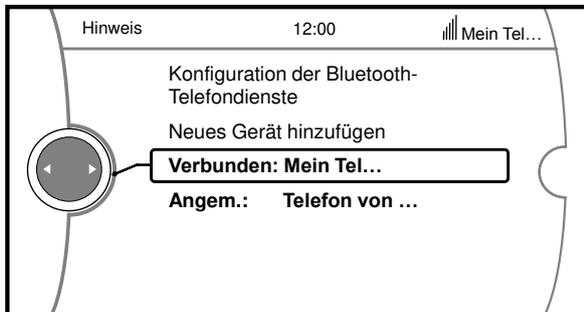

Fig.33

Fig.34

Telephone book

NOTE:	The mobile phone has to support the synchronization of the telephone book function per Bluetooth. The telephone book function of the hands-free speaking system is limited to 1000 entries (sub-entries included). In case of a large number of call numbers the synchronization can take some time. Avoid breaks during the synchronization.

Select the menu item telephone book – select entry – press the control dial in order to confirm the required number – select **call**.

Fig.35

Fig.36

Name sequence of the telephone book entries
First name, name OR name, first name

> **NOTE:** This function uses the profile of the mobile phone. When a new telephone is connected, then the following steps have to be executed. This function is not supported by all mobile phones!

First name, name sequence

For the activation of this sequence carry out the following steps:

1. Establish a Bluetooth connection between the phone and the FISCON system.
2. The telephone book has to be fully loaded.
3. Enter he following code in the mobile phone: **258225000**
4. After the entry of the code confirm by the **SELECT** key on the phone ✆
5. The connection can be finished again after 2-3 seconds. It follows the announcement that the number does not exist. The activation is completed.

Fig.37

NOTE: After the entry of the code the connection between the phone and the FISCON system has to last min. 10 minutes (depending on the number of telephone book entries)

Depending on the radio the selected setting will be loaded automatically or visible after a repeated teaching-in with this mobile phone.

Name, first name sequence

For the activation of this sequence carry out the following steps:

1. Establish a Bluetooth connection between the phone and the FISCON system.
2. The telephone book has to be fully loaded.
3. Enter he following code in the mobile phone: **258225001**
4. After the entry of the code confirm by the **SELECT** key on the phone ✆
5. The connection can be finished again after 2-3 seconds. It follows the announcement that the number does not exist. The activation is completed.

Fig.38

NOTE: After the entry of the code the connection between the phone and the FISCON system has to last min. 10 minutes (depending on the number of telephone book entries)

Depending on the radio the selected setting will be loaded automatically or visible after a repeated teaching-in with this mobile phone.

Selection repeat

Select the menu item selection repeat – select the entry – press the control dial in order to establish a call with the required number.
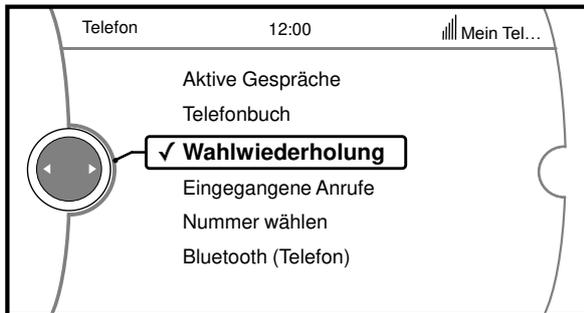

Fig.39

Fig.40

Incoming calls

NOTE: The mobile phone has to support the synchronization of the call list via Bluetooth.

Select the menu item incoming calls – select entry –press the control dial in order to establish a call with the required number.
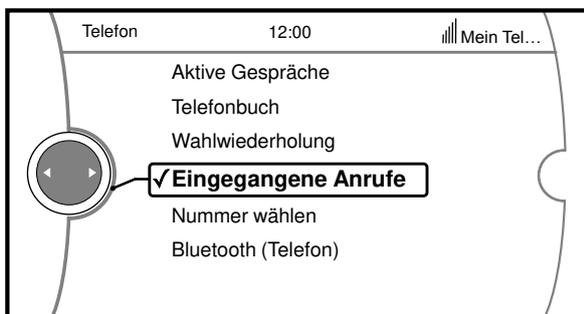

Fig.41

Fig.42

Call establishing by means of a number entry

Select the menu item **select number** – enter the required phone number directly – select the phone receiver in order to establish a call.
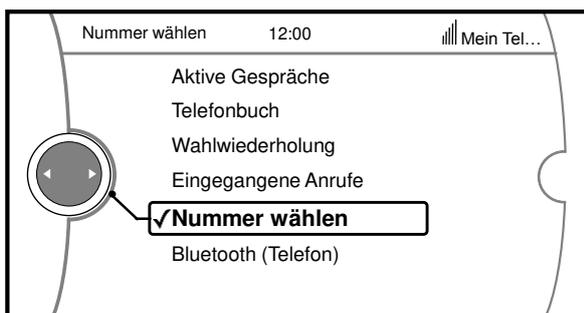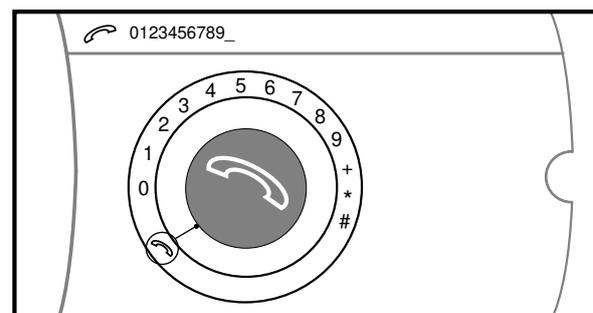

Fig.43

Fig.44

Incoming calls

An incoming call activates a muting and generates a ring ton. The caller's name (if supported by telephone) will appear. In case of a not deposited name the display of the calling number takes place.
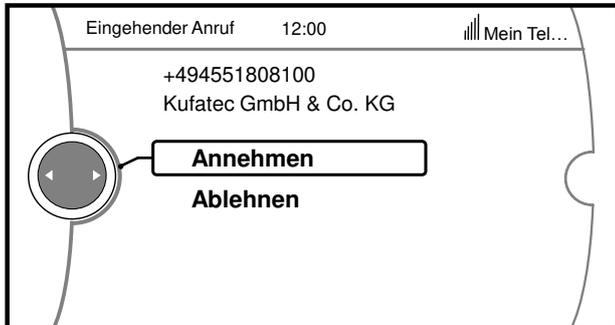
Select the **ACCEPT** or **REJECT** key.

Fig.45

A2DP Audio streaming

> **NOTE:** The **A2DP** function may **not be activated** in case of vehicles with factory installed CD-changer or iPod/USB interface**.**

> **NOTE:** The A2DP function has to be activated before the first use. The mobile phone has to support the synchronization for A2DP function by Bluetooth. There cannot be a CD-changer installed in the vehicle.

A2DP activation

For the activation of the A2DP function carry out the following steps:

1. Establish as usual a Bluetooth connection between telephone and FISCON system.
2. Select the menu item **ENTER NUMBER**
3. Enter he following code: **258224001   (deactivation 258224000)**
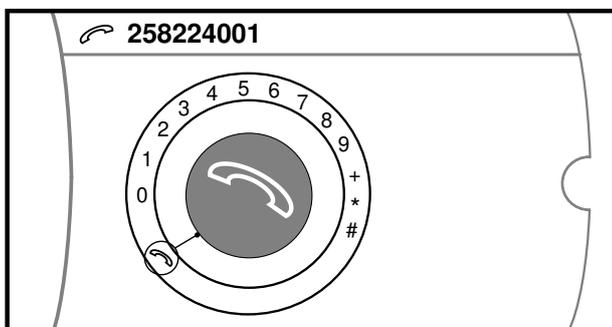4. After the entry of the code confirm with **SELECT NUMBER**

Fig.46

NOTE: The FISCON system will execute a reset independently.

A2DP operation takes place through the control from the CD changer. Select the **CD** source in the main menu.

Through the menu item **CD1** the music files, which are saved in the phone, can be selected and played.

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

NOTE: The telephone has to support the A2DP control by Bluetooth. The orders will not be partially supported from the phone.
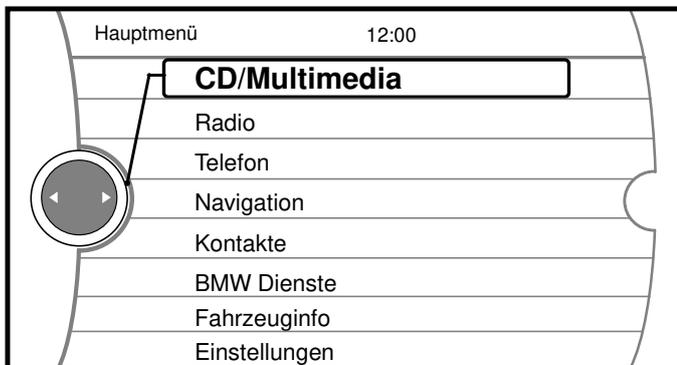

Fig.47

Setup per operating unit

Interface – setting can be executed by means of the operating unit as follows:

Setup execution

1. Please establish a Bluetooth connection between the phone and FISCON system.
2. Use the following setup – code: **25822XXYY**

Take the values for **XX** and **YY** from the following table.

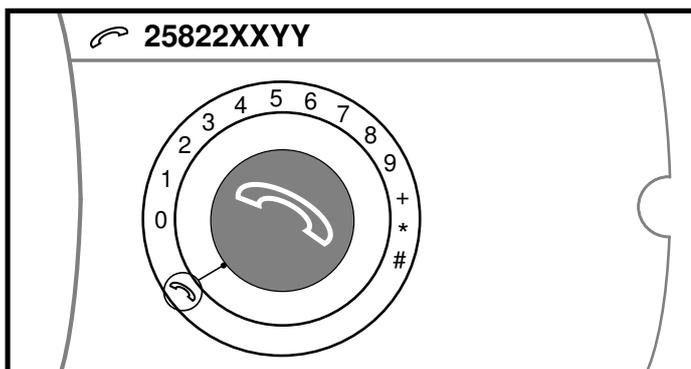After the code entry confirm choosing **SELECT NUMBER**.

Fig.48

Function	XX	YY	Example
Sound volume Phone	10	(0-15)	258221009
Sound volume Ring ton	11	(0-15)	258221112
A2DP activation	40	01	258224001
A2DP deactivation	40	00	258224000
Microphone enhancement	14	(0-15)	258221409
Hardware Reset	21	77	258222177
Software Update	20	25	258222025

NOTE: The FISCON system will execute the reset independently.

FAQ

Why can't I access my telephone book and the call lists?

- *Not each mobile phone supports the telephone book functions, call lists*

- *At the establishing of a first call and in case of large amount of call numbers the synchronization can take some time.*

Why can't I couple my phone with the system?

- *There are already 5 mobile phones stored in the system. At least one telephone has to be removed from the Bluetooth device list.*

Why can't I use the A2DP function?

- *The A2DP function has to be activated before the first use.*

- *Not each mobile phone supports the A2DP function*

FAQ – Online

http://www.kufatec.de/shop/infocenter.php/faq