

BEELINE Series

BEPRS-43

for Porsche Vehicles with PCM 2.1 navigation systems

Bluetooth® hands-free phone kit fully integrated with vehicle infotainment systems



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Information

Changes of the vehicle software can cause malfunctions of the interface. We offer free software-updates for interfaces for one year after purchase. To receive a free update, the interface must be sent in at own cost. Labor cost for and other expenses involved with the software-updates will not be refunded.

Product features

- Integration in and controls through the telephone port of the factory infotainment
- Updatable Parrot chipset with best audio quality and high phone compatibility
- Automatic radio mute
- Caller audio through vehicle sound-system
- External microphone with amplification adjustment through infotainment
- A2DP audio streaming through CD-changer emulation (requirement: mobile phone supports function, factory CD-changer coded but not installed).
- up to 10 mobile phones can be paired simultaneously
- Use of factory/vehicle buttons to control phone functions
- Mobile phone book integration (about 400 call numbers)
- Audio adjustment and settings through vehicle infotainment
- SMS reading and writing if supported by mobile phone

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1. Prior to installation

Read the manual prior to installation. Technical knowledge is necessary for installation. The place of installation must be free of moisture and away from heat sources.

1.1. Delivery contents



HW _____ SW _____

Write down the HW-version and SW-version of the interface here, and store this manual for future reference and technical support purposes.

1.2. Checking the compatibility of vehicle and accessories

Requirements

Vehicle Porsche

911, Boxster, Cayenne

Navigation PCM 2.1 with SIM-Card-Slot

(PCM without SIM-Card-Slot is not compatible)

Fiber optical ring On vehicles without Fiber optical component, the Fiber

optical ring needs to be activated by diagnostic computer

Limitations

Factory telephone kit must be removed if installed

Factory CD-changer must NOT be installed, if A2DP is to be used

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2. Installation

Switch off ignition and disconnect the vehicle's battery! The interface needs a permanent 12V source. If according to factory rules disconnecting the battery is to be avoided, it is usually sufficient to put the vehicle is sleep-mode. In case the sleep-mode does not show success, disconnect the battery with a resistor lead. If power source is not taken directly from the battery, the connection has to be checked for being start-up proven and permanent.

2.1. Place of installation

The interface is installed on the rear of the PCM unit.

Remove the plastic cover and loosen the 4 Torx screws.

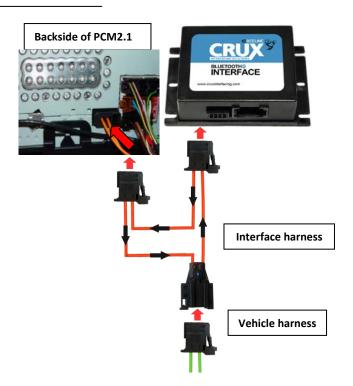
Pull out the PCM.



2.2. Connections

Remove vehicle harness' fiber optical connector from the PCM and plug it into the interface harness' fiber optical socket.

Of the two interface harness' fiber optical connectors, plug one into the interface box and one into the PCM fiber optical port.



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Connect red and black wire to permanent +12V source.

Connect blue to +12V to enable CD-changer emulation for A2DP.

A2DP requirement is that the factory CD-changer is NOT installed (optionally a switch must be installed).

Wire color	Definition
Black	Ground
• Red	+12V DC (permanent)
Blue	to +12V = CDC-emu on
	(switch optionally)

Install the microphone close to the driver.

Connect the microphone's 2-Pin AMP jack to the 2-Pin AMP jack bush of the CRUX harness.

2.3. Activation of fiber optical ring and interface

If the vehicle has no fiber optical component installed, the fiber optical ring is not activated. In this case it needs to be activated by diagnostic computer. In some cases, it becomes necessary to put the vehicle in sleep mode to enable correct function of the 6^{th} phone.

After first installation, the vehicle must go into sleep-mode in order to recognize the newly attached hardware. After re-connecting the battery, lock the vehicle and wait for 5 -10 minutes.

3. Interface operation

The interface enables the telephone function of the factory navigation/radio system; therefore, the operation is analog as described in the manual for the corresponding navigation/radio system.







3.1. Pairing the CRUX interface with a mobile phone

Up to 10 mobile phones can simultaneously be paired with the CRUX interface. If an eleventh phone is paired, the oldest entry is automatically deleted. In some cases, it becomes necessary to put the vehicle in sleep mode to enable correct function of the 11th phone.

For pairing, enable the pairing mode of the mobile phone (see manual for the mobile phone).

Search with the mobile phone for "BEELINE" or "CK5050N" and connect with activation code "1234".

Some mobile phones may have to connect to the CRUX interface with other than "hands-free" function.

Check for this feature and adjust to "hands-free" mode if necessary (see manual for the mobile phone).

If a mobile phone has been paired to the CRUX Interface (following the above procedure), a connection will be automatically established as soon as the mobile phone is in range. If multiple paired mobile phones are simultaneously in range, the CRUX interface will be connected to the first phone.

If you have connection problems between mobile phone(s) and the CRUX Interface, first check at the parrot website whether an update for the parrot chip is available. The part number of the parrot chip can be found in the specifications at the end of the manual.

Note: In some vehicles you will hear phone sound only through the right or the left speaker(s).

3.2. Loading of phone book

After each establishment of connection to the mobile phone, the phone book of the mobile phone will be loaded to the vehicle infotainment system.

Depending on the mobile phone, either it will be loaded from the phone's memory or the SIM card. This process can take a few minutes or more, depending on the number of contacts in the phone. If the phone book is not loaded or not completely loaded, it might be necessary to copy the contacts from the SIM-card to the mobile phone memory.

Some mobile phones do not automatically load the phone book, so the sending must be manually initiated (the procedure varies depending on the mobile phone, e.g., "send phone book to Bluetooth").

The manual loading procedure must be repeated if the mobile phone's contacts have been edited.

The memory of CRUX interface can save about 400 call numbers.



3.3. Setup, factory defaults, update

Settings of the CRUX interface can be changed by dialling certain codes in the vehicle telephone mode. Caller audio volume, Ringing tone volume and microphone sensitivity can be adjusted separately. The interface can be reset to factory defaults and updates of the Parrot chipset can be initiated.

To execute a function, just dial the corresponding code from the below table like a phone number and confirm with "pick-up".

Function	Code no.	Min	Max
Microphone sensitivity	+001xx	01	15
Caller audio volume	+0021xx	01	15
Ringing tone volume	+0022xx	01	15
Factory defaults	+009		
Parrot Update Mode	+000		

To the codes for volume and sensitivity it is necessary to add two digits for the desired value (01 min. to 15 max.). For example dial "+002112" to set the caller audio volume to level 12.

After dialling a code, the navigation will confirm with "call failed".

System updates of the Parrot chipset are possible through Bluetooth® via PC.

3.4. A2DP audio streaming through CD-changer emulation

When the CD-changer emulation of the CRUX interface is entered, it is possible to listen to music files on the factory sound system which are played by the mobile phone. The available options to control the play functions of the mobile phone depend very much on the mobile phone, for example iPhones® do not support any track skipping. Full functions are starting and stopping the playback, next track and previous track.

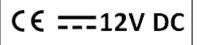
If the vehicle CD-changer mode of the vehicle's navigation/radio system is activated, the A2DP playback is automatically started (while a virtual CD 1 with 4 tracks is shown). When the CD-changer mode is exited, the A2DP playback is stopped. The playback is paused during phone call activity. The 4 tracks on the virtual CD are "play", "stop", "next" and "prev". Just confirm a track to execute the corresponding function. Track skipping is also possible with the "next" and "back" keys of the steering wheel or the head-unit. The volume level of the A2DP can be adjusted in the mobile phones settings.

Note: In some vehicles you can hear the A2DP only on the right or the left speaker.

Manual



4. Specifications



5. Technical Support

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