

Drive & Talk

Hi-fi Soft mute

Technical Specifications

Voltage supply range : 10-16 VDC
Current usage : <5 uA (passive) / 40 mA (active)

Activation voltage

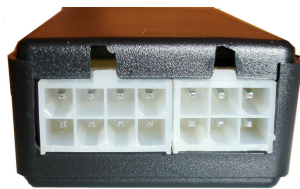
Active : < +6VDC
 Passive : > +8VDC

Maximum output pr. speaker: 30 Watt RMS /
 50 Watt music power @ 4 Ohm
 (3 Amp relays)

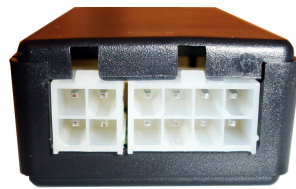
Maximum current supplied by Mutewire:
 10 mA. Active when grounded.

Size: 75 x 40 x 22 mm

Connector configurations



LR -	LF -	RF -	RR -	+	M	M
LR +	LF +	RF +	RR +	-	SP +	SP -



N/A	N/A	RR -	RF -	LF -	LR -
N/A	N/A	RR +	RF +	LF +	LR +

Made in Denmark by
 Kram Telecom A/S



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Hi-fi Soft mute

Product Description

Universal Hi-fi Soft mute ISO cable

3G Drive & Talk Hifi Soft mute enables the use of the car speakers for phone conversation. The Hi-fi Soft mute box is designed to handle the line signal running from the radio to the amplifier.

Speaker-function: This is achieved by using the mutebox-relays to disconnect the rear line signals and connect the front line signals to the carkit. This way the radio sound is muted and the sound from the carkit is sent through the cars front speakers. You will achieve a perfect hands-free sound without interference from the car radio.

For a complete cable-set two item numbers are needed. The 1st item number includes the mutebox and the car-specific cable-set. The 2nd item number is a carkit-specific adaptor-cable for adapting the car-specific cable to the carkit.

Power supply of the carkit: All car-specific cable-sets have an integrated carkit power-supply. In the car-specific cable-sets the constant 12v and the ground wire are connected to the 16 way connector. This connector is to be fitted to the 16 way connector on the carkit adaptor. This way power-supply, of the carkit, is achieved without cutting the cars wiring loom.

Mute function: The mute-wire is connected from the carkit to the mutebox through the carkit adaptor. The mute-wire is also connected to the radios mute input. This enables the use of the radios built in mute function. If the radios mute input pin is unknown the mute wire can be found in a yellow fly-wire fitted with a bullet connector. Please note that not all radios are equipped with a mute function.

EN324-V1

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Installation description

Universal Hi-fi Soft mute with ISO cable

Needed items:

A. Mutebox.	P/N: MOH
B. Audio2Car cable	P/N: 84000
C. Box adaptor.	P/N: AA300
D. 3G Carkit adaptor.	P/N: DAxxx
E. Carkit.	

Note: The Mutebox **A** is always delivered with cables **B & C**.

Installation:

1st: Remove the key from the ignition barrel. This is done to avoid error messages on the cars electrical system.

2nd: Locate & uncover the radio unit. The radio unit is normally found in the front of the car where the CD-player or radio tuner is located.

Renault cars with special radio locations:

- **Koleos with CD-changer with bose sound system** install on amplifier unit placed in right side of boot under floor. Extension cable DE5 is also required.

3rd: Connect the Audio2Car cable B. Disconnect the connectors on the radio / amplifier unit and insert the Audio2Car harness between the connector and radio / amplifier unit. **Note:** Some radios may require a security code to be entered after the power connectors have been removed.

4th: Check the configurations of the ground, ignition and constant 12v in the 24 pin connector.

The red wire should be the constant 12v, the blue ignition/switched 12v and the black should be ground. The bullet connectors **F** on the ISO cable set gives you the possibility to switch the red and blue wire. If no ignition source exist in the radio connector a IGNIBOX item nr. "I" can be inserted to generate a artificial ignition. If a real Ignition is preferred for the carkit please disconnect the blue wire from the bullet connector and connect it to a real ignition found elsewhere.

5th: Connect the mute wire. The yellow mute wire **G** can be connected to the radios mute input. The three most common mute positions is fitted with bullet connectors **G** and labelled Mute 1, Mute 2 & Mute 3. Connecting the mute wire is an option but may be required in some cars to achieve a full mute of all speakers. By connecting the mute wire you also achieve that the radio writes "Mute" or "Phone" when the phone is used and at the same time pauses the CD-player. **Note:** Not all cars are equipped with a mute input.

6th: Check fuse size. The fuse on the Audio2Car cable should not be bigger than the ones used on the wiring loom supplied with the carkit. The fuses on the Audio2Car cable should be replaced with a size similar to the ones supplied with the carkit.

Note: Never exceed the Maximum Fuse size of 7,5 Amp for the Audio2car Cable.

7th. Connect the carkit adaptor D to the Box adaptor C by connecting the 16 pin connector on the 3G carkit adaptor **D** to the Box adaptor **C**. If the carkit adaptor **D** includes a 4 pin connector this can be directly connected to the 4 pin connector on a Kram Aux cable for improved Music quality.

8th. Connect the carkit E to the carkit adaptor D.

9th. Turn on the radio and test the carkit. When the carkit, adaptor cable and Car-specific cable is installed correctly it will redirect your call through the cars front speakers and mute remaining speakers.

Note: In some cars the radio have to be turned on to get sound with this solution.

10th. Finally the speaker volume needs to be pre-adjusted. Connect the phone to the carkit and adjust the carkit volume to its middle position. Make a call and adjust the volume to an appropriate level by using the adjustment screw on the back of the mutebox **A**.

11th. Refit the radio.

For further information regarding the installation of the carkit please refer to the carkit manual.

