

Drive & Talk

Hi-fi Soft mute

Technical Specifications

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

Activation voltage

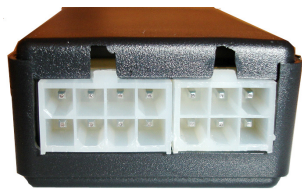
Active : < +6VDC
 Passive : > +8VDC

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

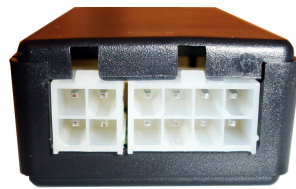
Maximum current supplied by Mutewire:
 10 mA. Active when grounded.

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

Car-specific Hi-fi Soft mute with 85xxx 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.

EN322-V2

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Installation description

Car-specific Hi-fi Soft mute with 85xxx cable

Needed items:

- | | |
|------------------------------------|------------|
| A. Mutebox. | P/N: MOH |
| B. Car-specific cable with Amp-On. | P/N: 85xxx |
| C. Box adaptor. | P/N: AA301 |
| D. 3G Carkit adaptor. | P/N: DAxxx |
| E. Carkit. | |

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

Installation:

1. Remove the radio unit from the centre console.

2. Insert the Car-specific cable B between the connector on the radio and the connector on the cars wiring loom. If there, in the connector removed from the radio, are inserted small plugs which pins has no connection to the radio. Then these plugs has to be moved to the connector fitted into the radio. These small plugs can be used for ex. CD-changer, navigation, Optic Most-bus, Can-bus or Steering wheel controls.

3. Check ignition source in connector F. If some of the supported car models have an ignition source in the connector on the car-specific cable **B** the blue ignition wire is connected to this position. If none of the supported car models have an ignition source available in the connector then the blue ignition wire is connected to the constant 12v source with a bullet connector. If an ignition source is needed for the chosen carkit an IGNIBOX item no. "I" can be inserted to create an artificial ignition source or the blue ignition wire can be disconnected from the red constant 12v and manually connected to an ignition source found elsewhere.

4. 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. Note: An Aux cable is included in some 85xxx cables.

5. Connect the carkit E to the carkit adaptor D.

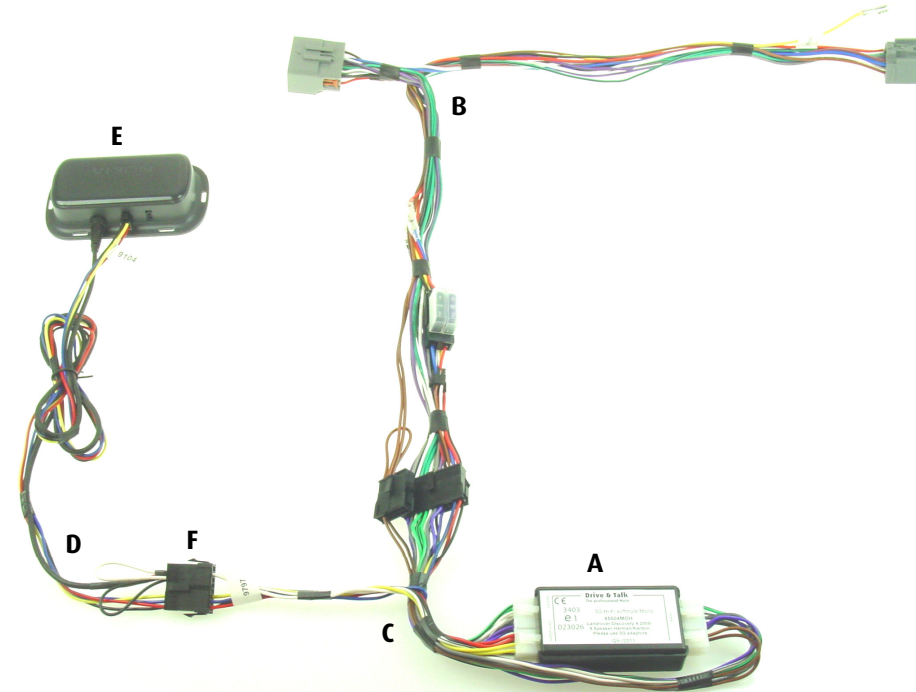
6. Connect the mute wire. If a Mute input exists in the connector on the Car-specific cable the yellow mute wire is connected to this position when delivered. If no Mute input is available in the connector then the yellow mute wire is found close to the male connector fitted with a bullet connector. It can then be manually connected to a mute input. Connecting the mute wire is an option but may be required in some cars to achieve a full mute of all speakers. **Note:** Not all cars are equipped with a mute input.

7. 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: This solution is designed to automatically turn on the separate amplifier when the carkit activates the mute signal.

9. 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.

10. Refit the radio.



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

See our complete Radio Mute program on our website www.kram.dk