

Universal Media Interface (UMI)

The Universal Media Interface (UMI) it is designed to provide USB portable device media interconnect to the in car head unit display.

Features:

- iPod/iPhone Media Support
- Portable Media Player Support
- Mass Storage Device Support
- Bluetooth Stereo Audio Streaming
- Text to Speech interface
- Bluetooth Hands free Interface
- Phone Device Interface
- USB Charging Support

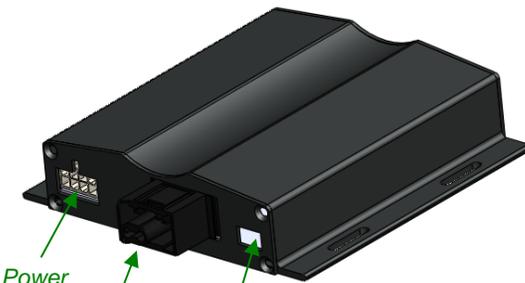
Decoding: MP3, Ogg Vorbis, iTunes

Post-processing: SRS WOW, Digital 5-band EQ, Bass Boost

2.5mm Microphone Jack



USB Host Interface

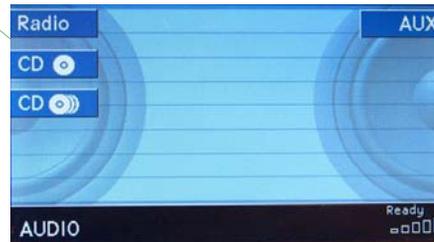


Power

Configuration switch

MOST 2+4 FO Connector

Quick USB Start Guide



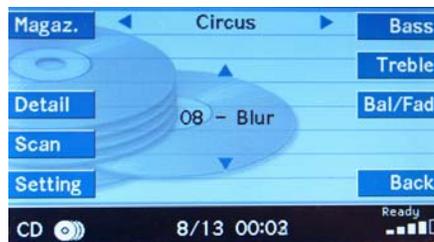
The USB media player is available by selecting the CDC Menu from the Audio options in the Mercedes Head Unit left side menu.



If there is no USB media device connected to the USB connector the screen shows "No Media" mid-screen message

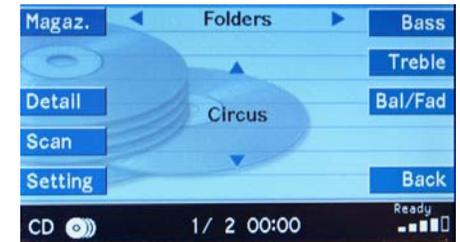


When USB flash media is connected the device is indexing the folders and the screen shows "searching..." for short time before start playing

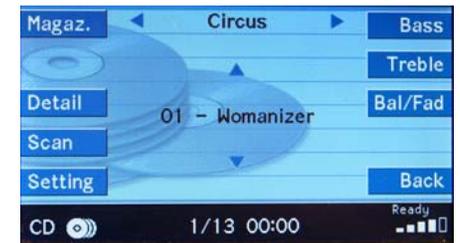


After the indexing is completed the play starts automatically from the first song on the list

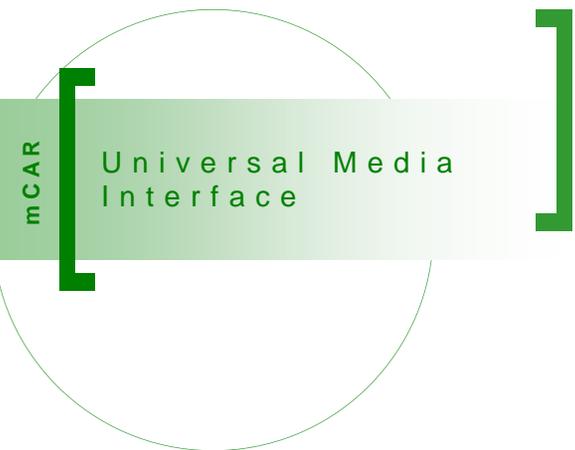
To change folders press 2 from the phone keyboard and the screen will show you the folder names you can scroll with SEEK+ and SEEK-



To select a folder press and hold SEEK+, if there is no selection the screen will timeout to the current song playing



Pressing "Magaz." button will show the current folder and the available functions assigned at the first 6 buttons from the phone keyboard



Universal Media Interface

Quick Phone Pairing Guide

To pair a phone to the HU choose option 6 from the CDC screen that will go to a Pairing menu screen as shown below



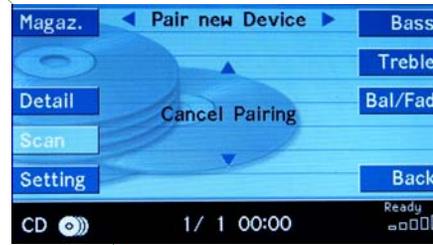
If press and hold SEEK+ it will go to the Bluetooth pairing sub menu where different pairing options are available



Scroll with SEEK+ or SEEK- to select the right action from the available choices to either pair new device or delete all and pair a device



To add new device select "Pair New Device" tab then press and hold SEEK+ until the menu screen changes and hear the voice confirmation



To delete all devices and pair select "Delete all & Pair" tab then press and hold SEEK+ until the menu changes and hear the voice confirmation



The voice will prompt to enter the access code for the phone device then pairing will be completed when the voice confirms "Phone connected"



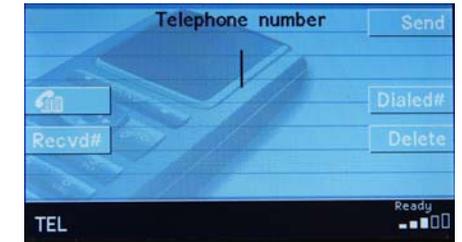
Anytime during the pairing process when the screen "Cancel Pairing" is current the pairing can be cancelled



Simple way for pairing is available anytime via the phone menu entering the key command "PAIR" <SEEK+> or 7274 <SEEK+> or "***7" <SEEK+>



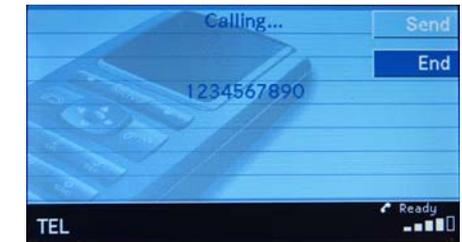
Simple way to delete pairing via the phone menu is by entering the key command "DEL" <SEEK+> or 335 <SEEK+> or "***3" <SEEK+>



To dial type the number and then press SEND, on the bottom right screen corner the phone field strength is shown and a phone ready message



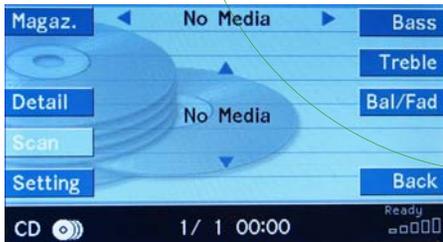
There will be a voice confirmation reading the number when dialing then the phone call will be routed through the car speaker system



Mercedes USB Media Interface

Quick Phone User Guide

Power the head unit and make sure that the media interface is running and is selected from the Audio CDC menu as shown below



To pair the phone go to CDC 6 selection and enter Pairing menu by press and hold SEEK+. If the phone is not paired all the field bars will be empty



To pair a phone select Bluetooth menu press and hold Seek+ which will change the menu to Pair New Device then follow the voice prompts



Pair New Device by press and hold Seek+ and message will say: "Please select the hands-free device from mobile phone and enter pin code ..."



Finish pairing by entering the default pin code "0000". Paring completes with the announcement "Phone connected" and shows the signal bars



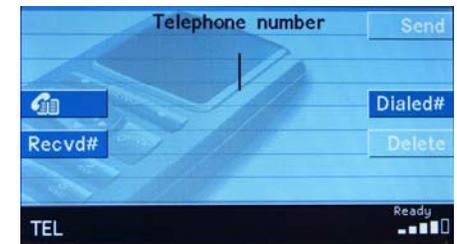
Another phone can be paired from the same menu. The active phones can be switched by selecting their name in More (CD6) menu



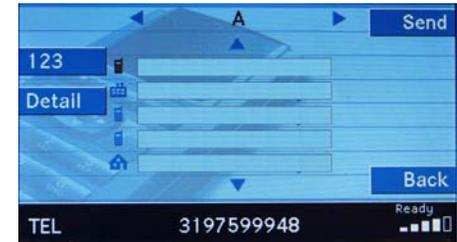
Selecting the phone tab will open the phone screen that will allow number dialing as the originally installed Mercedes phone would operate:



It takes about a minute for the phone book to upload in the telephone menu and enable the Dialed, Received and Phone Book tabs.



Select Phone Book icon will display phone book records alphabetically by name. navigating between letters A..Z with SEEK+ and SEEK-



Selecting "Dialed" numbers shows a list of the dialed phones. Return back by selecting :Back" button



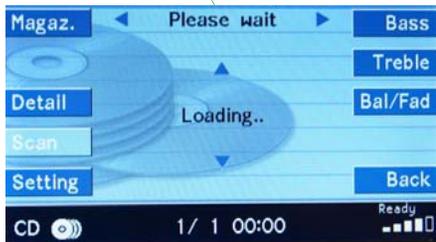
Selecting "Received" numbers shows a list of the dialed phones. Return back by selecting :Back" button



Universal Media Interface

Quick iPod/iPhone Support Guide

Connecting an iPod/iPhone device shows "Loading.." while indexing the media which may take around 15 to 20 seconds



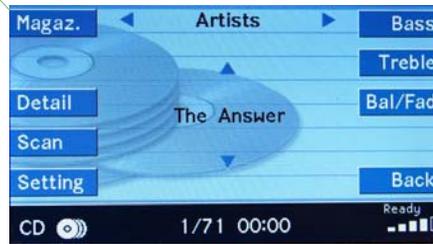
When the songs are loaded the screen may show "Scanning.." for short time before displaying the first indexed song and starts playing.



Pressing "Magaz." shows all categories available for selection via the phone keys 1-6 as in the iPod connected



To change category select the corresponding phone key and the category will take place on the upper screen tab then scroll via subcategories



To select press and hold SEEK+ button then the first song from the selected category will take place at the lower tab while playing



Pressing "Scan" tab another item from the same category will be selected



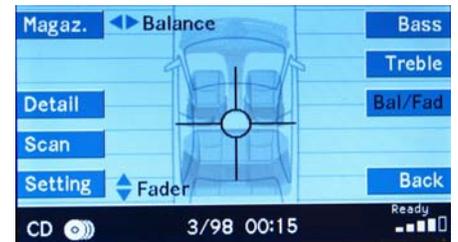
Pressing "Detail" tab will show the song name of the song currently playing



Choosing "Setting" tab will allow a function selection for track playing sequence as mix or repeat of the track or the CD



Sound controls are accessible via the three tabs at the right side of the head unit display: Bass, Treble and Bal/Fad



If the playlist has more than 99 songs the songs will be shown as 99 per page and to select page up use SEEK+ or page down SEEK-



The page tab is located at the position of the last song and to select page up use SEEK+ or page down SEEK-



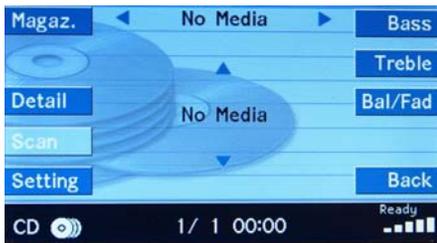
Mercedes USB Media Interface

Quick Software Upgrade Procedure

Extract the *umia2m.bin* file if archived and copy it to the top directory of USB flash drive as shown below.

Name	Size	Date created
umia2m.bin	1,095 KB	5/15/2010 1:20 PM

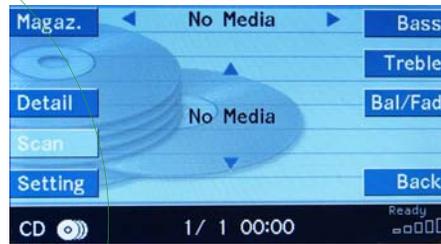
Power the head unit and make sure that the media interface is running and is selected from the Audio CDC menu as shown below:



Plug the USB flash drive in the USB connector and the update will start immediately. A screen message will show "Updating Software"



An update takes about 30 seconds. After the update is completed the head unit will refresh the screen and will show the screen we started at



To update the Bluetooth software insert a USB flash drive with the DFU update file in the USB connector and the update will start immediately



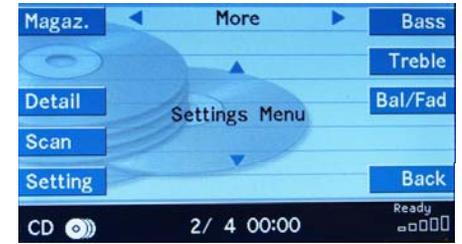
The screen will show "BT Software Update" and the track timing will show the progress 0 to 99 on the minutes and 0 to 05 on the seconds



An update takes about 7 minutes. After the update is completed the screen message will show that the update is successful and return to initial screen



To check the software revisions select CD6 key and press once SEEK+ to the second menu called "Settings menu"



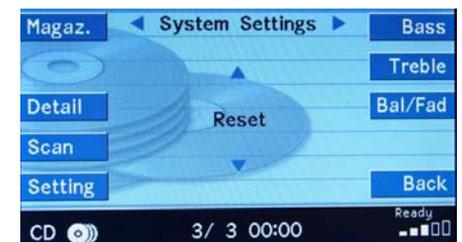
Press and hold SEEK+ key and the current software version will be displayed on the screen starting with MB



Press once SEEK+ and the current Bluetooth software version will be displayed on the screen starting with BT



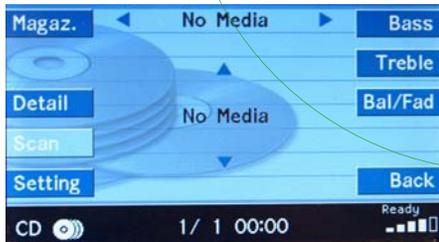
Press once SEEK+ and the screen will show a "Reset" menu. To manually reset the system press and hold SEEK+ at this step



Mercedes USB Media Interface

Bluetooth Remote Phone and Media Navigation

Power the head unit and make sure that the media interface is running and is selected from the Audio CDC menu as shown below.



Select CD6 and pair the phone following the phone pairing procedure via the pairing or telephone menu



Select the music content or start an application from your phone as example Pandora then enter Bluetooth Audio menu by press and hold SEEK+



Press and hold SEEK+ when in Bluetooth audio to switch to SEEK+/- control menu



To switch to next song from the playlist or the web radio press SEEK+



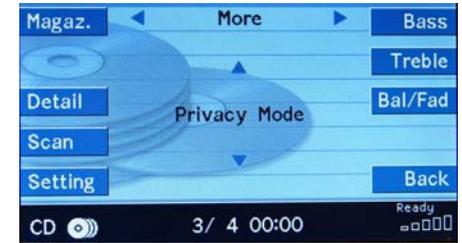
To select previous song from the playlist press SEEK-



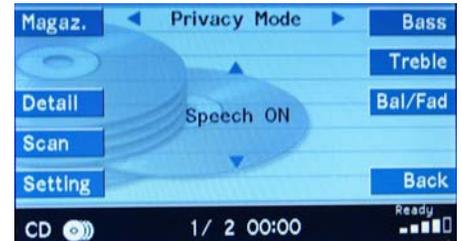
To switch to USB audio connection press any of the buttons CD1 to CD5 and the screen will change to Loading..



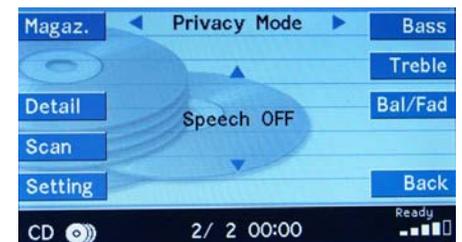
For turning the Speech feature off go to CD6 and scroll to the privacy mode menu then press and hold SEEK+ to select.



Screen will show Speech ON. To turn ON the speech press and hold the SEEK+ to select or single press SEEK+ goes to the next menu



Screen will show Speech OFF. To turn OFF the speech press and hold the SEEK+ to select or single press SEEK+ goes to the next menu



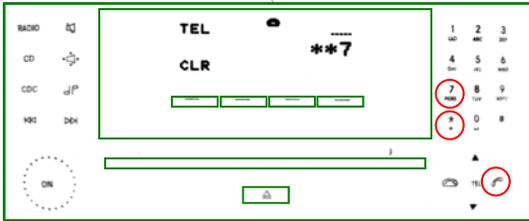
To exit without action press either any key CD1 to CD5 or press and hold SEEK- to go up one level in the menu tree



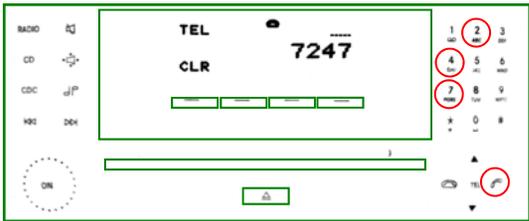
Mercedes USB Media Interface

Pairing to cars with single line Head Unit display

When in phone only mode press Tel button and dial **7 then press SEND



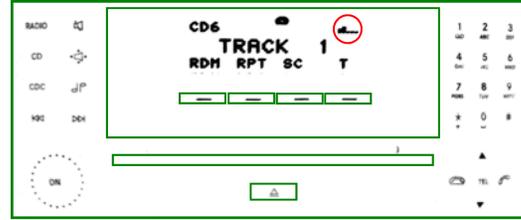
Some head units does not allow * dialing so alternative way for pairing is dialing "DIAL" or 7247 then press SEND



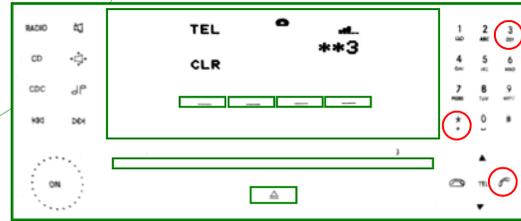
On your phone search for the accessory audio device "Carmedia" and select to pair. The default pairing code is "0000".



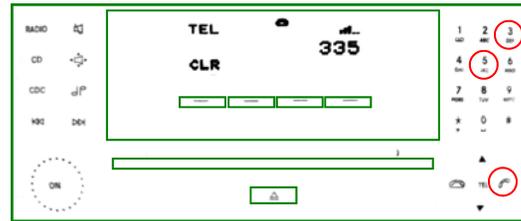
After successful pairing the phone signal strength bars will be shown at the upper right corner of the head unit.



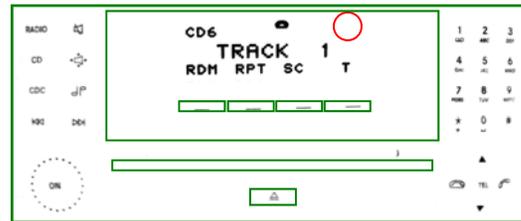
To delete Bluetooth pair press Tel button and dial **3 then press SEND



Some head units does not allow * dialing so alternative way for pairing is dialing "DEL" or 335 then press SEND



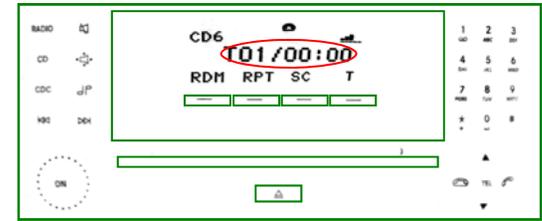
After the pairing is deleted the phone signal strength bars will disappear from the upper right corner of the head unit.



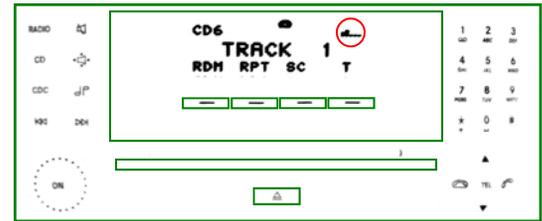
When the head unit is in full featured or wireless mode to start the pairing make sure that CD6 and Track 1 are displayed on the Screen.



Press and hold "SEEK+" until the time of the track is shown. Press and hold "SEEK +" again until T01 is shown followed by track time. Then a message will sound: "Please select the hands-free ... and enter pin code 0000".



Pairing is completed with the announcement "Phone connected" and the display shows the phone signal bars.



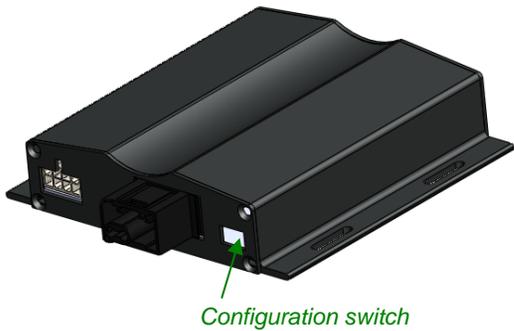
Press dial button to dial the phone voicemail and check voice mail messages.



Mercedes USB Media Interface

DIP Switch Settings - Device Configuration Modes

Find the configuration switch on the rear right side of the panel by the MOST optical plug.

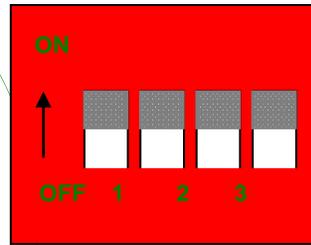


Unplug the device and configure the settings when the unit is not powered. Then reconnect and power the unit.

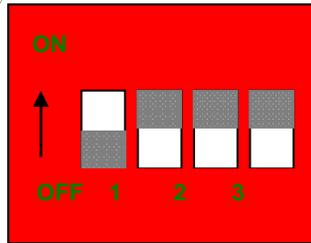
Switch	Mode	Description
	Media Only	USB and Wireless Media with no Phone installed
	Full Featured	USB and Wireless Media with full Phone support
	Wireless Only	Wireless Media, Phone support and USB charging
	Phone Only	Wireless Phone Support with CDC installed

The table above shows the configuration option applicable to the available hardware

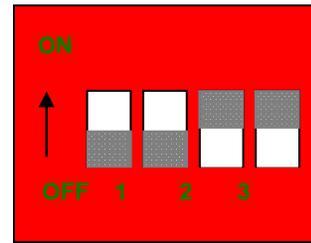
- USB Media Player and iPod/iPhone iAP interface
- (A2DP) BT Audio Streaming and Media Controls
- USB Accessory Charging



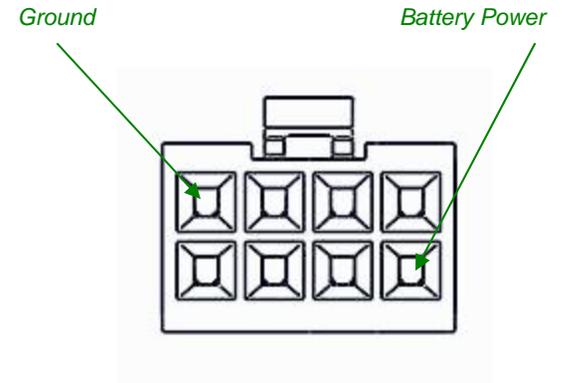
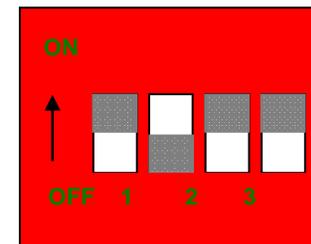
- USB Media Player and iPod/iPhone iAP interface
- (A2DP) BT Audio Streaming and Media Controls
- Phone Menu Support and Phone Book Download



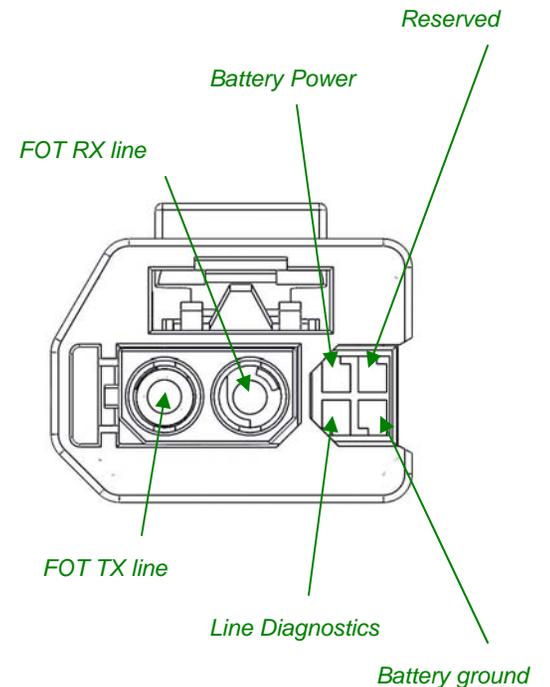
- (A2DP) BT Audio Streaming and Media Controls
- Phone Menu Support and Phone Book Download
- USB Accessory Charging



- Phone Menu Support and Phone Book Download
- USB Accessory Charging



MOST 4+2 FOT Connector Plug pinout is shown below looking from the rear side.



Installation Instructions

NOTE:

UMI replaces the CD Changer in the MOST network. After the installation the CD changer optical connection is not connected anymore.

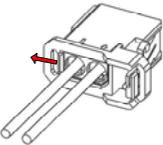
Step 1

First remove the ashtray and the CD Changer to allow access to the head unit. Remove all electrical connectors and slide out the navigation screen to allow easy access to the back.



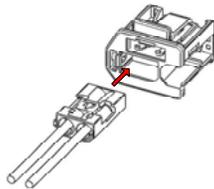
Step 2

On the **CD Changer** harness lift the lock tab gently and pull the insert out of the housing.



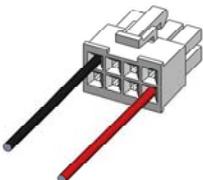
Step 3

Take the **UMI connector** housing from the kit and plug back the inserts with the leads into the **UMI connector**.



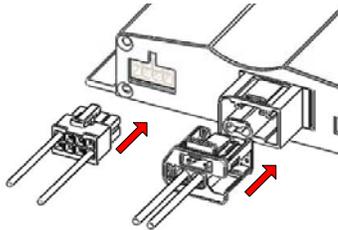
Step 4

Crimp the black wire to ground and the red wire to 12V Battery Power off the CD changer harness.



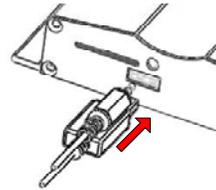
Step 5

Remove the white optical dust protector from UMI optical connector and insert it into the CD Changer optical MOST connector to protect from dust and contaminations.



Step 6

Connect the MOST and the Power plugs to the rear **UMI** panel.



Step 7

Connect the USB and the microphone plugs to the front panel of the **UMI**.

Step 8

Pull the decorative edge and wire the microphone from the UMI to the right side of the dash panel.

Note: avoid installing the microphone in the dash cavity to prevent eco effect.

Step 9

Install UMI behind the navigation screen horizontally and slide the screen back to its position. Be sure that no wires stand in between.

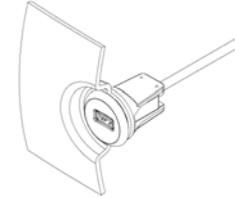


Step 10

Secure the navigation screen, the decorative edge and the CD Changer in their original positions. Plug back all electrical connectors to power the CD Changer panel.

Step 11

Install the USB receptacle to extend to the glove box or the ash tray using the grommet included in the kit.



Step 12

You may also use the special USB grommet for panel installation as shown.

Step 13

Insert the ashtray back and lock it to its original position. Now you can power the head unit and follow the User Guide for operation instructions. You will find the UMI at the CDC menu and the Bluetooth hands free and A2DP at the TEL menu.

mCAR

Product Information

mCAR

Installation Kit includes:
 UMI.A2M module
 2+4 MOST Harness
 MOST inline connector
 Power Supply Harness
 USB Extension Cable
 Cigarette lighter grommet
 Microphone w/ 2.5mm jack
 Velcro/Adhesive Pad

FCC ID:
 TQ6BTMDC751

Weight: 350g
Size: 6" x 9" x 2"

mCAR Product References
www.myumi.info
www.mcar.us