Product Information USB:
MP3 Players and USB Sticks

Available in English only.

Overview

Through the USB audio interface (option 6FL), applicable MP3 players, such as Apple iPod, can be connected with the vehicle through a USB interface as well as operated through the vehicle's control elements. In addition to MP3 players, USB sticks can also be connected with the USB audio interface (option 6FL), and audio files, which have been saved on it, can be played. The playing of audio files through mobile phones, equipped with a USB interface is not recommended through the USB audio interface. The receiving or placing of phone calls can not be guaranteed because some mobile phone models exclude Bluetooth functionality in parallel to USB connection.

It is possible to access all stored audio data directly through a play list, as well as searching for genre, artist, album or title. However the sorting and displaying of audio files in the vehicle can only be carried out correctly, if all the data info stored with the MP3 player (e.g. ID3 tags) contains Latin characters exclusively. Play lists need to contain absolute path indications if the audio file is not located in the same directory as the play list itself. Only audio files are played. Accessing other files (such as videos) is not possible.

Due to the variety of MP3 players and USB sticks on the market and their technical differences the flawless operation with the USB audio interface (option 6FL) can not be guaranteed for all devices. All devices tested and classified as compatible by the BMW Group are therefore communicated on a regular basis.

Premises

The following categories of devices are supported in terms of interaction with the USB audio interface (option 6FL); kindly refer to details in notes and tables as follows:

- Apple iPod from 4th generation onwards, iPod nano, iPod mini.
- MP3 players und USB sticks (USB mass storage according to specification „USB Mass Storage Class").

The message "Incompatible Device" inside the vehicle is indicating the usage of an inapt type of device.

Apple iPod devices are connected to the vehicle through the provided cable adapter for Apple iPod (Y cable from 30-pin-connector to USB and AUX In). It enables speedy access to the iPod's audio files and also charges the iPod. In addition copy protected music files can be also played back.

Other MP3 player and respectively USB sticks are connected with the vehicle through a USB cable. Furthermore the external device will be also charged; the direct connection with the vehicle's 12 volt outlet must be avoided. Copy protected music files are not supported.

The USB audio interface (option 6FL) supports current compressed formats such as MP3 (mp3), AAC (aac, m4a, m4b), WAV/PCM (wav) as well as WMA (wma, asf) and play lists in M3U format. However wav files are not supported in play lists.

Support

If the MP3 player or USB stick is to be stored in the vehicle, please observe all operating and storage instructions for the device. It is recommended not to store MP3 players or USB sticks in the vehicle for any length of time, since extreme environmental conditions may occur (temperature, humidity).

Upon initial connection of an MP3 player or a USB stick containing large amounts of data, audio files can be only accessed through the directory structure of the device. The more comfortable search by genre, artist, album or title becomes only then available, after the corresponding file information has been transferred to the vehicle. The performance of the MP3 player or the USB stick in the vehicle such as duration of synchronisation or operation speed depends on the storage capacity and technology of the device as well as the number and the format of stored audio files.

Should the interaction of your MP3 player or USB stick not function correctly with the USB audio interface (option 6FL) it may also be due to defective or unsupported encoding of audio files (e.g. bitrates bigger than 256 kbit/s). Please also observe the following notes for the various categories of devices.

If you have questions, please contact your local customer service directly or via e-mail at: customer.service@bmw.com

Product Information USB:
Notes on Device Categories

Apple iPod

The following devices are supported:

iPod (with hard disk)
Devices from the 4th generation onwards, i.e. iPod with Click Wheel, iPod with colour display (including iPod photo) and iPod Video. No support of prior models with Scroll Wheel or Touch Wheel.

iPod nano (with flash storage)
First and second generation devices.

iPod mini (with fixed hard disk)
First and second generation devices.

iPod shuffle (with flash storage)
Can only be connected and used as „USB Mass Storage Class"-devices along with a USB-cable, if the FAT file system is used. Details for use as "volume" can be found here:
http://docs.info.apple.com/article.html?artnum=61131

Please note that iPod devices can be only applied as "volume" with the FAT file system if the provided cable adapter for the Apple iPod is not used. The operation of iPod devices under MacOS is not feasible without the cable adapter for Apple iPod.

The software version of the iPod can be detected through selection of the menu „ Settings\About" in the main menu. Further information is offered by the websites of Apple. Kindly observe that iTunes is capable of automatically updating the iPod software, which may impair the interaction of the iPod with the USB audio interface (option 6FL).

Display of the software version:
http://docs.info.apple.com/article.html?artnum=60984

Identification of the applied iPod model:
http://docs.info.apple.com/article.html?artnum=61688

i**Pod devices can be disconnected from the vehicle at any time.** Videos are only applicable in terms of playing their audio content.

MP3 Player

Devices with "Media Transfer Protocol (MTB)", can not be used with the USB audio interface. This applies especially for devices with the "PlaysForSure"-logo. To convert the device into the „Mass Storage Class" mode, kindly observe the instruction manual of the MP3 player.

The MP3 player needs to be formatted with the FAT file system. The files of the first partition will be displayed exclusively.

With some MP3 players the USB connection and/or the mass storage mode (USB Mass Storage Class) needs to be activated. Kindly refer to the instruction manual of your MP3 player.

After initial connection of the MP3 player with the vehicle, a data base will be assembled out of the file information of the available music titles, which facilitates access to play lists or comfortable search by genre, artist, album and title. The synchronisation of an MP3 player with 8 GB of flash storage takes up to 10 minutes; longer synchronisation times could be due to device specific characteristics. During this period of time music titles can be selected through indices and file names.

During the synchronisation of an MP3 player with a personal computer the software of the MP3 player could be automatically updated, which may possibly impair the compatibility of the MP3 player at the USB audio interface (SA 6FL).

USB Sticks

USB hard disks and USB hubs and/or card reader with several inputs can not be used with the USB audio interface (option 6FL).

The use of USB sticks with integrated hard disk is not recommended. Tests have revealed, that their audio quality may not be acceptable.

USB sticks need to be formatted with the FAT file system. The files of the first partition will be displayed exclusively.

After initial connection of the USB stick with the vehicle, a data base will be assembled out of the file information of the available music titles, which facilitates access to play lists or comfortable search by genre, artist, album and title. The synchronisation of a USB stick with 8 GB of flash storage takes up to 10 minutes; longer synchronisation times could be due to device specific characteristics. During this period of time music titles can be selected through indices and file names.

Due to the variety of USB sticks on the market and their technical differences the flawless operation in the vehicle can be only assured through an operating test in the vehicle itself.

Product Information USB:
Tested MP3 Players

Available in
English only.

Device Category: Apple iPod
The tests were carried through along with the provided cable adapter for Apple iPod.

Brand	Model	Software Version	Storage Size	Tested with USB Audio Interface	Explanatory Notes
Apple	iPod with click wheel (4th generation)	3.1.1	20 GB 40 GB	Mar 07	
	iPod with colour display (including iPod photo)	1.2.1	20 GB 30 GB 40 GB 60 GB	Mar 07	
	iPod Video (5th generation)	1.1.1, 1.1.2, 1.2	30 GB 60 GB	Mar 07	
	iPod nano (1st generation)	1.1, 1.2, 1.3	1 GB 2 GB 4 GB	Mar 07	
	iPod nano (2nd generation)	1.0.2, 1.1.1	2 GB 4 GB 8 GB	Mar 07	
	iPod mini (1st generation)	1.2	4 GB	Mar 07	After disconnection of the iPod mini all settings (Random/Repeat) changed in the vehicle are permanent in the iPod mini. If required, the settings must be reset on the iPod mini manually.
		1.4.1	4 GB	Mar 07	
	iPod mini (2nd generation)	1.4.1	4 GB 6 GB	Mar 07	

Option 6FL

USB Audio Interface	Part No.
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USB audio interface (option 6FL)

® iPod, iPod mini, iPod nano, iPod photo, iPod shuffle and iPod Video are registered trademarks of Apple Computer, Inc.

Product Information USB:
Tested MP3 Players

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Device Category: MP3 Player 1/2

Brand	Model	Software Version	Storage Size	Tested with USB Audio Interface	Explanatory Notes
Acer	Advanced MP3 Player	ACTS12_28	1 GB	Mar 07	
AMT	Digital MP3 Player	4.3-H51-29FC	256 MB	Mar 07	
Creative	Nomad MuVo TX SE	1.13.02	1 GB	Mar 07	
Cowon	iAudio G3	1.20e	512 MB	Mar 07	
Hama	DMP100			Mar 07	The device does not contain an integrated storage, but a card reader; storage medium needs to be provided by the customer.
Maxfield	G-Flash	3.292	1 GB	Mar 07	
Maxfield	Max-Sin Touch	20.110.124	1GB	Mar 07	
NEO	Sensi	9.0.48.0000	512MB	Mar 07	
Neonumeric	NTO	1.1.5.0	512 MB	Mar 07	

USB audio interface (option 6FL)

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Option 6FL

Acer
Advanced MP3 Player

AMT
Digital MP3 Player

Creative
Nomad MuVo TX SE

Cowon
iAudio G3

Hama
DMP 100

Maxfield
G-Flash   Max-Sin Touch

Neo
Sensi

Neonumeric
NTO

Product Information USB:
Tested MP3 Players

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Device Category: MP3 Player 2/2

Brand	Model	Software Version	Storage Size	Tested with USB Audio Interface	Explanatory Notes
Odys	MPX10	RYJ6.4.37	1 GB	Mar 07	
Philips	GoGear SA1100	2.610.110	512 MB	Mar 07	
	GoGear SA177	PY-A-M-N-7_5	512 MB	Mar 07	
Samsung	YP-U1	2.242	1 GB	Mar 07	
	YP-55X		512 MB	Mar 07	
Support Plus	Digital Audio	2.600	512 MB	Mar 07	
Teac	MP-500	V1.01	1 GB	Mar 07	
Thomson	EM2601	8111816	1 GB	Mar 07	
TrekStor	i.Beat cebrax	2.611.128	1 GB	Mar 07	
	i.Beat organix	5150.0507R	1 GB	Mar 07	
	i.Beat vision	U3.08	2 GB	Mar 07	
X4-Tech	BogieMan II	3.0.41	256 MB	Mar 07	
	ClipMan II	3.5.35	512 MB	Mar 07	

USB audio interface (option 6FL)

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Option 6FL

Odys
MPX10

Philips
GoGear SA 1100 · GoGear SA177

Samsung
YP-U1 · YP-55X

Support Plus
Digital Audio

Teac
MP-500

Thomson
Lyra EM 2601

Trekstor
i.Beat cebrax · i.Beat organix · i.Beat vision

X4-Tech
Boogie Man II · ClipMan II