



Service Information

Phone, Navigation System

84 82 07

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April 2007

Aftersales Service

SUBJECT

Introduction of SA 6FL

VEHICLES

E90/ E91/ E92/ E93 (3 Series) Production from: 03/2007

E60/ E61 (5 Series) Production from: 03/2007

E63/ E64 (6 Series) Production from: TBD

E70 (X5) Production from: 04/2007

SITUATION

The USB Audio Interface is only available as a factory installed option. It **cannot** be retrofitted as an Aftersales accessory. It is recommended that all supported iPod devices be used in conjunction with the Y-Cable.

Supported and compatible devices:

- Apple iPod from 4th generation onwards
- iPod nano
- iPod mini
- MP3 players
- USB flash drive only (aka: "USB memory stick")

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, sorting and displaying of audio files in the vehicle can only be carried out correctly if all data stored on the MP3 player (e.g. ID3 tags) contain Roman characters exclusively. Play lists must contain absolute path indications if the audio file is not located in the same directory as the play list itself (e.g. /dir1/dir2/track.mp3).

IMPORTANT:

- Only audio files are played. Accessing other files (such as videos) is not possible. Due to the variety of MP3 players and USB memory sticks and their technical differences, the flawless operation with the USB audio interface cannot be guaranteed for all devices.
- The playing of audio files through mobile phones equipped with a USB is not recommended through the USB audio interface. The receiving or placing of phone calls cannot be guaranteed as some handsets render Bluetooth functionality inactive when a USB connection is established.

For more detailed information on how to operate the connected audio device (iPod, MP3 or USB device) through the vehicle audio system, refer to the owner's manual.

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Apple iPod Y-Adapter Cable (30-pin-connector to USB and AUX-in)

The Y-Adapter consists of an auxiliary and USB input for use with the Apple iPod. Full iPod integration can only be achieved with the use of the Y-Adapter. This device is not included as part of option SA 6FL but can be purchased separately (Part number: 61 12 0 422 099). The Y-Adapter is only available from BMW.

Table 1: Supported music and playlist file formats

	Music file formats: MP3 (mp3) *WAV/ PCM (wav) WMA (wma, asf)	iTunes file formats AAC (aac, m4a, m4b)	Playlist in M3U format	Music files transferred using Windows PC	Music files transferred using Mac PC
iPod (with Y-cable)	YES**	YES	YES	YES	YES
iPod (without Y- cable)	YES	NO	NO	YES	NO
MP3 & USB flash drives	YES	NO	YES	YES	NO







* Note, audio files in WAV format are not supported when stored in a play list.

** We do not recommend the use of iPod without the Y-cable

Table 2: Y-Cable support with the iPod

iPod with the Y-Cable	iPod without the Y-Cable
<ul style="list-style-type: none"> Complete vehicle integration, allowing user to operate iPod via vehicle controls and view file structure on the head unit. iPod devices that are synchronized with MAC computers require the Y-Cable. Support copy-protected music purchased on i-Tunes (AAC) 	<ul style="list-style-type: none"> iPod devices synchronized with the Windows OS provide partial integration as file/music structure is not displayed on the head unit. Music files downloaded from i-Tunes (AAC) are not supported.

Note: USB cable included with the Apple iPod will not support USB audio in the vehicle.

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Supported Devices:

1) Apple iPods

- iPod (with hard disk) from 4th Generation devices on, i.e. iPod with Click Wheel, iPod with color display (including iPod photo) and iPod Video.
- iPod nano (with flash storage) 1st and 2nd Generation devices.
- iPod mini (with fixed hard disk) 1st and 2nd Generation devices.
- iPod shuffle (with flash storage).

Note:

Details for using the iPod as "storage drive" can be found online:

<http://docs.info.apple.com/article.html?artnum=61131>

- No support of prior models with Scroll Wheel or Touch Wheel.
- When the iPod is connected to iTunes through a PC, iTunes is capable of automatically updating the iPod software, which may cause an impact on the interaction of the iPod with the USB audio interface.
- iPod devices can be disconnected from the vehicle at any time.

Determining Apple iPod model and software version

To determine whether a specific iPod model and or software version is supported, please go to the "Settings>About" menu under the iPod main menu. For further information, please refer to Apple official website:

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>

2) MP3 Players

Devices with the "PlaysForSure" logo are not supported with the USB audio interface as they support the "Media Transfer Protocol" (MTB). To configure the device for "USB Mass Storage" mode, refer to the MP3 player owner's manual.

Note: The device must also be formatted with the FAT file system. Refer to Table 1.

When the device is initially connected to the vehicle, a database will be assembled, allowing users to access play lists and 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 may occur depending on device characteristics. During this time, music titles can be selected through indices and file names.

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3) USB flash drives (aka: “USB memory stick”):

Only USB memory sticks formatted in the FAT format (usually the default setting) are supported.

Note: USB hard disks, hubs and/or card reader with several inputs are not supported.

After initial connection of the USB stick with the vehicle, a database will be assembled based on the file information of the available music titles. This allows access to play lists or search by genre, artist, album and title.

The synchronisation of a USB stick with 8 GB of flash storage may take up to 10 minutes; longer synchronisation times may be due to device specific limitations. During the synchronization period music titles can be selected through indices and file names.

Storage of the device and first installation: It is recommended that MP3 players or USB memory sticks are not left unattended in the vehicle for extended periods of time. Extreme environmental conditions (i.e. temperature, humidity) may damage the device.

The performance of the MP3 player or USB memory stick such as duration of synchronisation or operating speeds depends on:

- Device storage capacity.
- Number of songs and varying file formats stored on the device.

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COMPATIBILITY MATRIX, TESTED DEVICES

Device Category: Apple iPod

Note: Tests were carried out with the Y-Cable adapter.

Apple	USB audio interface (option 6FL)	Brand	Model	Software Version	Storage Size	Explanatory Notes
iPod (Click Wheel)		Apple	iPod with click wheel (4th generation)	3.1.1	20 GB 40 GB	
iPod photo			iPod with colour display (including iPod photo)	1.2.1	20 GB 30 GB 40 GB 60 GB	
iPod Video			iPod Video (5th generation)	1.1.1, 1.1.2, 1.2	30 GB 60 GB	
iPod nano			iPod nano (1st generation)	1.1, 1.2, 1.3	1 GB 2 GB 4 GB	
iPod nano			iPod nano (2nd generation)	1.0.2, 1.1.1	2 GB 4 GB 8 GB	
iPod mini			iPod mini (1st generation)	1.2	4 GB	Once the iPod mini is disconnected, all settings (Random/Repeat) changed in the vehicle are transferred to the iPod mini. Default settings must be reset manually.
				1.4.1	4 GB	
				1.4.1	4 GB 6 GB	
			iPod mini (2nd generation)	1.4.1	4 GB 6 GB	

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Device Category: MP3 Players (Part 1)

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

USB audio interface (option 6FL)	Brand	Model	Software Version	Storage Size	Explanatory Notes
	Acer	Advanced MP3 Player	ACTS12_28	1 GB	
	AMT	Digital MP3 Player	4.3-H51-29FC	256 MB	
	Creative	Nomad MuVo TX SE	1.13.02	1 GB	
	Cowon	iAudio G3	1.20e	512 MB	
	Hama	DMP100			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	
		Max-Sin Touch	20.110.124	1GB	
	NEO	Sensi	9.0.48.0000	512MB	
	Neonumeric	NTO	1.1.5.0	512 MB	

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Device Category: MP3 Players (Part 2)

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

USB audio interface (option 6FL)	Brand	Model	Software Version	Storage Size	Explanatory Notes
	Odys	MPX10	RYJ6.4.37	1 GB	
	Philips	GoGear SA1100	2.610.110	512 MB	
		GoGear SA177	PY-A-M-N-7_5	512 MB	
	Samsung	YP-U1	2.242	1 GB	
		YP-55X		512 MB	
	Support Plus	Digital Audio	2.600	512 MB	
	Teac	MP-500	V1.01	1 GB	
	Thomson	EM2601	8111816	1 GB	
	TrekStor	i.Beat cebrax	2.611.128	1 GB	
		i.Beat organix	5150.0507R	1 GB	
		i.Beat vision	U3.08	2 GB	
	X4-Tech	BogieMan II	3.0.41	256 MB	
		ClipMan II	3.5.35	512 MB	

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TROUBLESHOOTING

Complaints which are caused by the design of the USB Audio Interface:

- **Q:** The connected USB device is not recognized and cannot be selected as an entertainment source?
A: Not all USB devices are compatible with option 6FL. Please refer to the latest list of compatible/recommended USB devices. Refer to the attached compatibility chart.
- **Q:** Why are specific tracks not played?
A: The file has an invalid format (not mp3, wma or aac), has been corrupted or is digitally incrypted (i.e. AAC). Note, for AAC files the Y-Cable is required.
- **Q:** Play lists, genres, artists, albums and tracks on USB devices are not displayed?
A: Only Roman text characters are supported. Other character sets (Greek, Japanese, etc.) cannot be displayed.
- **Q:** Why does the time it takes to display play lists, genres, artists, albums and tracks on USB devices vary for different devices?
A: This is dependent upon the number of stored audio files. In the case of a device with 8 GB storage, it would take approximately 10 minutes.
- **Q:** Why do I experience distortion through the audio system when the device is connected to the cigar lighter for charging?
A: Audio interference may occur if a device is connected to both the USB interface and the 12V socket. Depending on the model, the USB devices may be supplied with power by the USB interface itself. In such cases, no additional power connection is required.
- **Q:** Why is the browsing history not stored in some vehicle?
A: With the CCC head unit, browsing history is not stored. For example, if one scans through the list of artists, the cursor will appear at the top of the menu upon return to the artist's sub-menu.

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Open issues currently being worked on.

- **Problem:** Message "No supported audio files found" is displayed when a play list is selected.
Solution: If play lists and audio files are stored in different folders, absolute paths must be used, e.g. /dir1/dir2/track.mp3.
- **Problem:** Intermittent: Unable to select/activate categories such as play lists, genres, artists, albums, tracks after starting the vehicle with the USB device already connected.
Solution: May occur if very few audio files (less than 70) are stored on the USB device. Disconnect/reconnect the USB device or store more audio files.
- **Problem:** Message "Reading data" is permanently displayed.
Solution: Make a new selection; disconnect/reconnect the device; and reset vehicle.
- **Problem:** If a USB stick is connected prior to starting the vehicle, interference is heard instead of the audio track once the vehicle is started.
Solution: Select a new track manually or skip forward/back.
- There may be malfunctions if a mobile phone is connected to the USB interface and paired with the Bluetooth hands-free system.
- Some mobile phones deactivate Bluetooth if connected to USB.

WARRANTY INFORMATION

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