Electrical ATU

January 2018
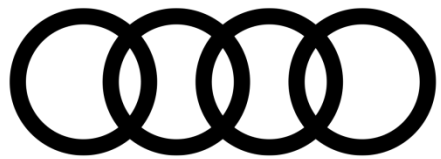
Media playback

Agenda
Media playback

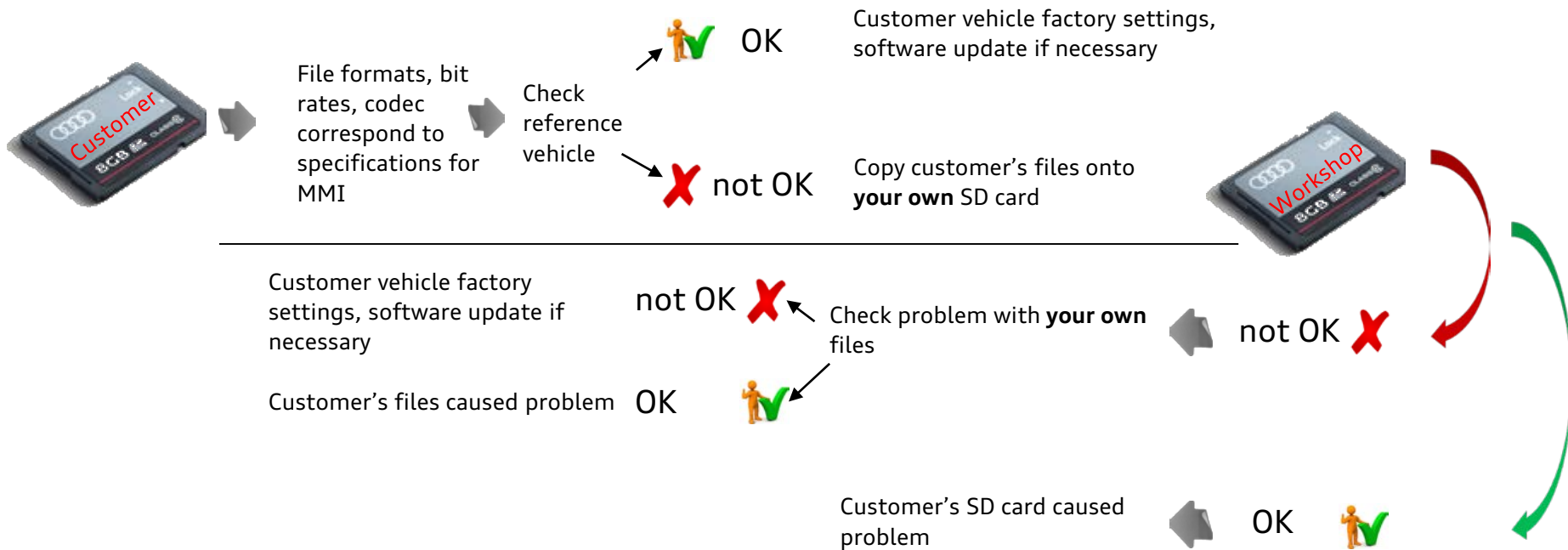| 01.	02.	03.
First steps	**Media playback**	**Overview of file formats**

First steps for every concern

› Customer concern should be traceable/reproducible.

› Think about how the system is laid out and how it works (SSP, training course materials, and etc.).

› Do not interrupt/cancel the ODIS Guided Fault Finding program.

› Check whether there is an TSB that fits the problem.

› Check whether there is ATU information that fits the problem.

› Check for DTC(s) and work through all of them.

Media playback

Basis for any further analysis:
Infotainment Operating Manual
Audi music CD 4J0.906.961

Customer

File formats, bit rates, codec correspond to specifications for MMI

Check reference vehicle

OK — Customer vehicle factory settings, software update if necessary

not OK — Copy customer's files onto **your own** SD card

Workshop

Customer vehicle factory settings, software update if necessary — not OK

Check problem with **your own** files

Customer's files caused problem — OK

not OK

Customer's SD card caused problem — OK

IMPORTANT: a corrupt file can affect the functionality of the entire system.

Playable file formats

Media Format	Codec	Container	Standard	Profile	File-Extension	RMC	MMI 3G Basic BT	MMI 3G Basic CD	MMI 3G Basic Nav	MMI 3G Basic Nav / Phone	MMI 3G High	MMI 3G+ (D4)	MMI 3G+ RSE	MMI3G+ DVDC	MIB Entry	MIB Standard	MIB High	MIB 2 Standard	MIB 2 High Scale	MIB2 High SDS1 (Lokaler Player)	USB DVD Single Drive (D5)	RNS-E	AMI-MOST	AMI-CAN	RG 2+	USB Konsole
Audio	WAV				.wav	•	–	–	–	–	–	•	–	–	–	•	•	•	•	•	•	–	•	•	•	•
	MP3		MPEG-1/2 (Layer 3)		.mp3	•	•	–	•	•	•	•	•	•	•	•	•	•	•	•	•	–	•	•	•	•
	WMA 8	ASF			.wma	•	•	–	•	•	•	•	•	•	•	•	•	•	•	–	–	–	•	•	??	??
	WMA 9	ASF			.wma	•	•	–	•	•	•	•	•	•	•	•	•	•	•	–	–	–	•	•	•	•
	WMA 9 Voice	ASF			.wma	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	WMA 9 Lossless	ASF			.wma	–	–	–	–	–	–	–	–	–	–	–	–	•	•	•	–	–	–	–	–	–
	WMA 9 Professional	ASF			.wma	–	–	–	–	–	–	–	–	–	–	•	•	–	•	–	–	–	–	–	–	–
	WMA 10	ASF			.wma	–	–	–	–	–	–	•[3]	•[3]	–	–	•	•	•	•	–	–	–	–	–	–	–
	AAC	MPEG-2	MPEG-2	LC, HEv1, HEv2	.aac, .m4a	•	–	–	–	–	•	•	•	•	–	•	•	•	•	•	–	–	•	•	–	–
	AAC	MPEG-2	MPEG-2	HE-AAC	.aac, .m4a	??	–	–	–	–	??	??	•	–	•	•	•	•	•	–	??	??	??	??	??
	AAC	MPEG-4	MPEG-4	LC, HEv1, HEv2	.aac, .m4a	•	–	–	–	–	•	•	•	•	–	•	•	•	•	•	–	–	•	•	–	–
	AAC	MPEG-4	MPEG-4	HE-AAC	.aac, .m4a	??	–	–	–	–	??	??	??	–	•	•	•	•	•	–	??	??	??	??	??
	AAC	MPEG-4	MPEG-4	HE-AACv2	.aac, .m4a	??	–	–	–	–	??	??	??	–	•	•	•	•	•	–	??	??	??	??	??
	AAC	MPEG-4	MPEG-4	LC	.m4b (Hörbuch)	•	–	–	–	–	•	•	•	–	•	•	•	•	•	–	–	•	•	–	–	–
	AAC	MPEG-4	MPEG-4	HE-AAC	.m4b (Hörbuch)	??	–	–	–	–	??	??	??	–	•	•	•	•	•	–	??	??	??	??	??
	AAC	MPEG-4	MPEG-4	HE-AACv2	.m4b (Hörbuch)	??	–	–	–	–	??	??	??	–	•	•	•	•	•	–	??	??	??	??	??
	OGG	OGG			.ogg	–	–	–	–	–	–	–	–	–	–	•	•	•	•	–	–	–	–	–	•
	FLAC	FLAC			.flac	–	–	–	–	–	–	–	–	–	–	•	•	•	•	–	–	–	–	–	–
	ALAC	MP4			.m4a	–	–	–	–	–	–	–	–	–	–	•	•	•	•	–	–	–	–	–	–
	SBC	A2DP Datenstrom			–	•	•	–	•	•	•	•	•	•	•	•	•	•	•	–	–	–	–	–	–
	PCM	CD/DVD kompatibel			(CDA)	•	•	•	•	•	•	•	•	•	–	•	•	•	•	–	•	•	•	•	•
	DTS	DVD kompatibel			.vob (DVD)	–	–	–	–	–	•	•	•	•	–	–	–	–	–	–	•	–	–	–	–	–
	AC3	DVD kompatibel			.vob (DVD)	–	–	–	–	–	•	•	•	•	–	–	–	–	–	–	•	–	–	–	–	–
Video	MPEG-1		MPEG-1		.mpg, .mpeg, .m1v, .mpv	–	–	–	–	–	–	•	•	–	–	•	–	–	•	–	–	•[5]	–	–	–	–
	MPEG-2		MPEG-2	Main	.mpg, .ps, .m2v, .mpeg	–	–	–	–	–	–	•	•	–	–	•	–	–	•	–	–	•[5]	–	–	–	–
	MPEG-4	MPEG-4	MPEG-4	SP, ASP	.mp4	–	–	–	–	–	–	•	•	–	–	•	–	–	•	–	–	•	–	–	–	–
	WMV 9/VC-1	ASF			.wmv, .asf	–	–	–	–	–	–	•	•	•	–	•	–	–	•	–	–	–	–	–	–	–
	WMV 10	ASF			.wmv, .asf	–	–	–	–	–	–	•	•	•	–	•	–	–	•	–	–	–	–	–	–	–
	DivX 3,4,5	MPEG-4	* Kein DivX 3		.avi, .divx	–	–	–	–	–	–	•	•	–	–	•	–	–	•	–	–	•	–	–	–	–
	Xvid				.avi	–	–	–	–	–	–	•	•	•[4]	–	–	–	–	•	–	–	•	–	–	–	–
	H.264			Baseline (no CABAC, no B-frames)	.mp4, .divx, .avi, .mp4, m4v	–	–	–	–	–	–	•	•	–	–	–	–	–	•	–	•[?]	•	–	–	–	–	–
Playlists					.m3u	–	–	–	–	–	•	•	•	•	•	•	•	•	•	•	–	•	??	??	??	??
					.pls	–	–	–	–	–	•	•	•	•	•	•	•	•	•	•	–	–	??	??	??	??
					.wpl	–	–	–	–	–	•	•	•	•	–	•	•	•	•	•	–	–	??	??	??	??
					.asx	??	–	–	–	–	–	–	–	–	•	•	–	•	•	•	–	–	??	??	??	??
					.b4s	??	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	•	•	??	??

Please refer to Owner's Manual for playable formats.

Summary

› Corrupt files can cause uncertain and unexpected problems.

› Damaged media drives such as SD cards, CDs, DVDs, and etc. can cause uncertain and unexpected problems.

› As a rule, customer media should be called into question; use your own reliable files and media drives to evaluate the infotainment system.
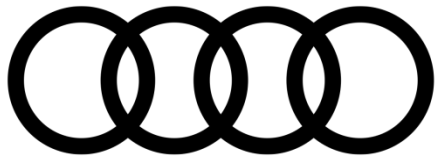
New changes for phones - Apple devices and Audi Smartphone Interface (ASI) topics

New changes for phones - Apple devices and ASI topics

01.

Info on new Apple devices and iOS 11 firmware

02.

Charging cradle:

- Info on concern
- Inductive charging cover for iPhone 7

New changes for phones - Apple devices and ASI topics
New iPhone 8, 8+, and X

› Both devices come with iOS 11.

› This firmware contains many new telephone features such as:

  › "Do not disturb while driving". If the iPhone is connected to the speech dialogue system via Bluetooth, all messages are suppressed. It is still possible to make calls. Anyone who sends a message receives an automatic reply that the driver is behind the wheel at the moment.

  › Important: When this mode is activated, the external speech dialogue system (Siri) does not work. In this case, only the information screen for the speech dialogue system is shown; this is a function of the device itself.

  › With Apple CarPlay, missed calls are indicated by a red circle in the telephone app.

  › When connecting to the vehicle for the first time, the directory may not load in some cases. To fix this problem, disconnect Bluetooth (by switching the ignition off and opening the door), or switch the Bluetooth function off and on again in the settings. After connecting again, the directory will load automatically.

› The field test to display the reception strength can no longer be activated under iOS 11.

› Napster is currently deactivated under iOS 11.

New changes for phones - Apple devices and ASI topics
New iPhone 8, 8+, and X

› The iPhone X can be most readily identified by the lack of a home button.

› These new devices can be charged via induction without an additional cover:

  › However, charging performance of these phones is reduced once they reach a temperature of approximately 96.8°F.

  › Below approximately 95°F, they charge at 5W, and over 95°F at approximately 2W.

  › After approximately 30 minutes of charging, this slows the charging process.

› This behavior is essentially the same as for new Samsung devices (e.g. Galaxy S8), except that these are allowed to reach approximately 107.6°F before they start regulating the device temperature.

› This information is important to determine why the phone is not charging.

New changes for phones - Apple devices and ASI topics
Retrofitting ASI | Package overview

Part number:	Vehicles:	Requirements:	Available:
4M0.051.472	**R8 (4S)** `new`	**For Audi R8 (4S) Coupé and Spyder from MY 2017 onwards**	✔

New changes for phones - Apple devices and ASI topics

> Audi Smartphone Interface:
>> Error messages are displayed on the phone when using Android Auto.
>> The communication error given here may have a different number.
>> In this case, it is necessary to check whether the Android Auto apps and the software for the Android device are up to date.
>> If the phone and apps are up to date, the USB port must be checked (e.g. by exchanging it).
>> Verify the date on the phone and in the MMI are set correctly.
>> When in doubt, UPDATE the Android Auto app via the Play store.

Bei Android Auto ist ein Fehler aufgetreten

Kommunikationsfehler 8 – Die Software deines Autos hat die Android Auto-Sicherheitsprüfungen nicht bestanden. Vergewissere dich, dass das Datum und die Uhrzeit im Auto richtig eingestellt sind und dass die Google Play-Dienste auf dem neuesten Stand sind.

Thank you!