

VIZIC TECHNOLOGIES

SMART GPU 2

Music CD File Extraction Tutorial

SMART GPU 2: Intelligent Embedded Graphics Processor

Extract Audio from an original Music CD Tutorial:

As mentioned on the Smart GPU 2 description sheet and Datasheet, the processor is capable of managing files directly in FAT/FAT12/FAT16 or FAT32 file systems without any special program/interface or micro SD rare formats. Audio files can be directly extracted from a music CD and played by the device.

A maximum of 32GBs micro SD memory card is supported, allowing storing thousands of songs/audio files.

The files are fully format compatible with any PC. This section explains how to directly extract and load audio files (.wav) to the micro SD card, to be later played with the SmartGPU 2 processor.

To keep it simple as always, to extract the audio: the universal "Windows Media Player" software is used.

1.- First, insert any music CD on your CD Drive.





2.- Open Windows Media Player, select and click on your CD title on the left menu, the CD's song list will appear, select the desired songs to be ripped, second click on the "Ripp Settings" tab.

Windows Media Player											11 - 10 a) X
File View Play Tools	Help											
G + Best Sax Eve	er (E:)										Play Burn	Sync
Organize 👻 Stream 👻	Create playlist	🔹 🎨 Rip CD 🌔	Rip setting:	$\mathbf{D}2$					®∏ ▼ Search	۶ - 9	Save list Clear list	P• Z•
	Album		V #	Title	Length	Rip status	Contributing artist	Composer				
Dibrary	Audio CD (E:)										Best Sax Ever	
Playlists	B	Best Sax Ever	1	Street Life	4:28		Diana Wood					
4 🎝 Music		Diana Wood	2	Put it where you want it	3:07		Diana Wood				-	
Artist		Instrumentals	V 3	Smooth Operator	3:32		Diana Wood					
Album	6.	Unknown Year	₹ 4	Inherit The Wind	3:09		Diana Wood					
6 Genre			V 5	Your Latest Trick	3:03		Diana Wood				🔶 💮 Best Sax Ever	\$
Videos			6	Morning Dance	2:49		Diana Wood				Street Life - Diana Wood	4:28
🔄 Pictures 🥖			7	This Means So Much To	4:21		Diana Wood				Put it where you want it - Diana Wo	3:07
Recorded TV			8	Lily was Here	3:15		Diana Wood				Smooth Operator - Diana Wood	3:32
Other media			V 9	In The Mood	3:12		Diana Wood				Inherit The Wind - Diana Wood	3:09
Best Sax Ever (E:)			10	Take Five	2:16		Diana Wood				Your Latest Trick - Diana Wood	3:03
			V 11	Yakety Sax	4:21		Diana Wood				Morning Dance - Diana Wood	2:49
P Other Libraries			12	Heaven is in Your Heart	3:11		Diana Wood				This Means So Much To Me - Diana	a 4:21
			V 13	The Girl From Ipanema	3:26		Diana Wood				Lily was Here - Diana Wood	3:15
			14	Slam	3:09		Diana Wood				In The Mood - Diana Wood	3:12
			V 15	Roadblaster	3:34		Diana Wood				Take Five - Diana Wood	2:16
			16	Songbird	3:26		Diana Wood				Yakety Sax - Diana Wood	4:21
			☑ 17	Baker Street	3:18		Diana Wood				Heaven is in Your Heart - Diana Wo.	3:11
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灯 Media Guide 👻											18 items, 61 minutes	
					(N	t O =		4»				12
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3.- A new menu pop-up, now click on the "More options..." box.

ist	🔻 🍓 Rip CD	Rip se	ettings	•			
			Rip 'Be	st Sax Ever' (E:)		Length	Rip status
:) —)	Best Sax Ever Diana Wood Instrumentals Unknown Year	<	Format Audio Rip CD Eject C More o Help w	t Quality automatically D after ripping ptions ith ripping		4:28 3:07 3:32 3:09 3:03 2:49 4:21	
		-	8	Lily was Here	-	3:15	
		1	9	In The Mood		3:12	
		1	10	Take Five		2:16	
		V	11	Vakety Sax		4:21	

4.- Once the "options" window pops, go to the "Rip Music" tab and then click on "Change..." box to select the output path of the ripped files, for this example the microSD card root path is selected, it's on the drive "D:\". Now select the "WAV(lossless)" option on the Format box.

Options 💌											
Library Plugins Privacy Security DVD Network Player Rip Music Devices Burn Performance											
Specify where music is stored and change rip settings.											
Rip music to this location D:\ Change											
File Name											
Format:											
Copy protect music Learn about copy protection Rip CD automatically											
Eject CD after ripping											
Audio quality: Smallest Size Uses about 600 MB per CD.											
OK Cancel Apply Help											

5.- For assigning a better file name to your songs, click on "File Name...". This removes the track number at the beginning of the song name and other useless information.

Options							×						
Library	Plug-ins	Privacy	Sec	urity	DVD		Network						
Player	Player Rip Music Devices Bum Performance												
Sp Sp	ecify where m	nusic is store	d and d	nange r	ip settin	gs.							
-Rip music	to this locatio	n											
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File Name													
Rip settings													
Format:													
WAV (Lo	WAV (Lossless)												
Сору	protect music	:	Lea	rn abo	ut copy	prot	tection						
Rip C	D automatical	ly											

6.- On this new window, just select the "Song Title" box and click OK, then click again OK on the "Options" window.

File Name Options	×
Set file naming convention to use when r	ipping music.
Options	
Select the details you want to include in file nam Click Move Up or Move Down to arrange the det	nes. tail order.
Artist	Move Up
Track number	Move Down
✓ Song title	
Genre	
Bit rate	
Separator: (Space) 🔻]
Preview: Sample Song Name.WAV	
ОК	Cancel

7.- Now returned to Windows Media Player, everything is now configured, now just click on "Rip CD".

Create playlist	→ 😽 Rip CD	Rip s	ettings	•			
Album	\sim	V	#	Title	Length	Rip status	Contributing artist
Audio CD (E:) -							
0	Best Sax Ever	V	1	Street Life	4:28		Diana Wood
	Diana Wood	1	2	Put it where you want it	3:07		Diana Wood
	Instrumentals	1	3	Smooth Operator	3:32		Diana Wood
	Unknown Year	V	4	Inherit The Wind	3:09		Diana Wood
	*****	V	5	Your Latest Trick	3:03		Diana Wood
	_	V	6	Morning Dance	2:49		Diana Wood
		V	7	This Means So Much To	4:21		Diana Wood
		V	8	Lily was Here	3:15		Diana Wood
		V	9	In The Mood	3:12		Diana Wood
		V	10	Take Five	2:16		Diana Wood
		V	11	Yakety Sax	4:21		Diana Wood
		V	12	Heaven is in Your Heart	3:11		Diana Wood
		V	13	The Girl From Ipanema	3:26		Diana Wood
		V	14	Slam	3:09		Diana Wood
		1	15	Roadblaster	3:34		Diana Wood
		V	16	Songbird	3:26		Diana Wood
		V	17	Baker Street	3:18		Diana Wood
		1	18	Careless Whisper	3:34		Diana Wood

8.- Ripping starts. Wait until all songs have been ripped.

Album Image: status Contributing artistic Audio CD (E) Image: status Contributing artistic Best Sax Ever Image: status Image: status Contributing artistic Diana Wood Image: status Image: status Contributing artistic Image: status Image: status Image: status Contributing artistic Image: status Image: status Image: status Image: status Contributing artistic Image: status Image: status Image: status Image: status Image: status Image: status Image: status Image: status Image: status Image: status Image: status <thi< th=""><th></th><th></th><th></th><th></th><th></th><th></th><th>\sim</th><th></th></thi<>							\sim	
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			1	18	Careless Whisper	3:34	Pending	Diana Wood
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9.- Now go to the micro SD card path to visualize ripped/copied content.



10.- Go inside the Artist folder and look for .wav files, you could also click and play-back those files in your PC to check out that the files have been successfully copied.



11.- Finally just safely remove your microSD card and enjoy!

Follow always this tutorial to rip songs from a music CD.

Once Windows Media Player has been configured for the very first time, user could repeat this tutorial from step 7.

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