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Text Size [A](#) [A](#)

Site Search   [?](#)

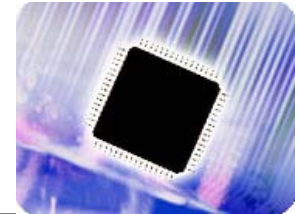
[HOME](#), [Products](#) | 
 [Applications](#) | 
 [New Products](#) | 
 [Company Profile](#) | 
 [Sales](#) | 
 [Contact us](#) | 
 [Site Map](#)

HOME, Products > ICs > Audio ICs > USB Host Audio Decoder ICs

- ICs
- EEPROMs
- Clock Generators
- Voltage Detector ICs
- Motor Drivers
- Power Management ICs
- LED / LCD Drivers
- Sensor ICs
- Operational Amplifiers / Comparators
- Analog Switches / Logics
- D / A Converters
- IT Equipment / Interface ICs
- Video and Imaging ICs
- Audio ICs**
- Wireless Audio Link IC Series for FM Transmitter
- FM Radio One Chip ICs
- High Performance Class-D Speaker Amplifier Series
- Ultra Small Headphone

## USB Host Audio Decoder ICs

ROHM's USB host audio decoder ICs integrate a USB 2.0 host, SD memory card controller, AAC decoder, WMA decoder, MP3 decoder, Audio DAC amp, and a system controller all on a single chip, allowing easy playback of music stored in USB flash memory using an audio player. They can be easily added to virtually any audio device (i.e. CD player, mini-component stereo, portable player, car stereo) for greater functionality.



\*Put the mouse on the icon to see further details.

Specification	Part No.	Package	Function
MP3 Format 	<b>NEW</b> <b>BU9428KV</b>	VQFP64	 
MP3 Format + SD Memory Card 	<b>BU9435KV</b>	VQFP64	 
WMA / MP3 Format + SD Memory Card 	<b>NEW</b> <b>BU9437AKV</b>	VQFP64	 
AAC / WMA / MP3 Format + SD Memory Card 	<b>NEW</b> <b>BU9438KV</b>	VQFP64	 

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- Contact us
- Catalog Rec

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- [Speaker / Headphone Amplifier Series](#)
- [Low Power Audio DAC with Headphone Amplifier](#)
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- [Sound Processor Series for Home Theaters](#)
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- [Digital Sound Processor for FPD TVs](#)
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- [Sound Processor Series for Car Audios](#)
- [Sound Processor Series for BOOM BOX/Mini-component Stereo](#)
- [USB Host Audio Decoder ICs](#)
- [Sound Path Selector IC Series](#)
- [Melody Sound Source ICs for Mobile Phones](#)
- [Audio Decoder IC Series for Mobile Phones](#)
- [Audio Interface IC Series for Digital Still Cameras/Digital Video Cameras](#)
- [Digital Signal Processor IC Series for CD Players](#)
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USB Host Audio Decoder ICs													
Part No.	Operating voltage (V)		USB	SD	Serial interface	Display information	MP3	WMA	AAC	Audio output		Package	RoHS
	Core	I/O								Analog	Digital		
<b>NEW</b> BU9428KV	1.40 to 1.60	3.0 to 3.6	USB2.0 Full Speed	—	I <sup>2</sup> C BUS	Folder number File number Playing time Folder name File name TAG (Artist Album Title)	MPEG1,2,2.5 LAYER1,2,3	—	—	Line	I <sup>2</sup> S SPDIF	VQFP64	Yes
BU9435KV	1.40 to 1.60	3.0 to 3.6	USB2.0 Full Speed	MMC SD miniSD microSD SDHC	I <sup>2</sup> C BUS		MPEG1,2,2.5 LAYER1,2,3	—	—	Line	I <sup>2</sup> S SPDIF	VQFP64	Yes
<b>NEW</b> BU9437AKV	—	3.0 to 3.6	USB2.0 Full Speed	MMC SD miniSD microSD SDHC	I <sup>2</sup> C BUS		MPEG1,2,2.5 LAYER1,2,3	WMA9Standard	—	Line	I <sup>2</sup> S SPDIF	VQFP64	Yes
<b>NEW</b> BU9438KV	—	3.0 to 3.6	USB2.0 Full Speed	MMC SD miniSD microSD SDHC	I <sup>2</sup> C BUS		MPEG1,2,2.5 LAYER1,2,3	WMA9Standard	MPEG4AAC-LC	Line	I <sup>2</sup> S SPDIF	VQFP64	Yes

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- [Opto Electronics](#)

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(Sub Systems)



[Top of Page](#)

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