USB 7.1 channel external sound card User's Manual

ABOUT THIS MANUAL

This manual is designed for use with the External USB 7.1 Channel Sound Box. Information in this document has been carefully checked for accuracy; however, no guarantee is given to the correctness of the contents. The information in this document is subject to change without notice. The manufacturer does not make any representations or warranties (implied or otherwise) regarding the accuracy and completeness of this document and shall in no event be liable for any loss of profit or any commercial damage, including but not limited to special, incidental, consequential, or other damage.

SAFETY INSTRUCTIONS

Always read the safety instructions carefully:

- Keep this User's Manual for future reference.
- Keep this equipment away from humidity.
- If any of the following situation arises, get the equipment checked by a service technician:
 - The equipment has been exposed to moisture.
 - The equipment has been dropped and damaged.
 - The equipment has obvious sign of breakage.
 - The equipment has not been working well or you cannot get it to work according to the User's Manual.

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1. Introduction

GWC AA1570 USB 7.1 channel external sound card is the easiest way to upgrade your 2 channel PC/Mac audio to 5.1 or 7.1 channel surround sound! Only need one single USB cable connect to your PC/Mac, no driver installation necessary!

Enjoy a high-definition surround sound experience with GWC USB 7.1 channel external sound card! GWC AA1570 can reproduce cinematic 5.1 and 7.1-channel surround sound from high-resolution DVD-Audio and movies as well as unparalleled realism from the hundreds of existing DirectSound 3D game titles. This amazing external sound card can also connect most popular audio gear such as microphones, home stereo and A/V receiver by 3.5mm audio cable or S/PDIF cable!



Features

- Upgrade computer audio capability to 5.1 or 7.1 surround sound
- Dramatically improve your PC/ Computer/ Notebook audio quality
- Auxiliary inputs for microphone, stereo, and other analog sources
- Easy push button design for quick volume/mute control
- Virtual speaker shifter support
- Individual speaker volume control
- Plug-and-play operation with Windows OS/ Mac OS default drivers
- Full-duplex playback/recording audio stream without Sound Card in PC

Package Contents

٠	External USB 7.1 Channel Sound Box	x1
٠	CD (Driver and User's Manual included)	x1
٠	Quick installation Guide	x1
٠	USB Type A to Type B Cable	x1
٠	S/PDIF cable(optional)	x1

System Requirements

The minimum requirements for the PC are:

- Intel Pentium III or AMD K6 500 CPU above
- At least 128MB RAM
- At least 50 MB hard disk space
- PC or Mac with one available USB port
- Windows® 2000, XP , Vista™, Window 7
- Mac OS X v10.x or higher

2. Using the Adapter

How to Use Your Audio I/O Devices

No external driver installed under OS support of Win Vista, Win 2000, Win XP and Mac. Simply use a cable line to connect the External USB 7.1 Channel sound box and the available USB port of your PC or MAC and get the External USB 7.1 Channel Sound Box effects directly.



1. 7.1 Channel Speaker

Plug the speaker cable into the speaker/line-out jack as F-out (Front), SS-out (Surround), BS-out (Back) and C/B (Center/Subwoofer) on the USB 7.1 Channel Sound Box.

Notice for Mac users:

The speaker/line-out jack of 7.1 Channel Rear Surround and 7.1 Channel Surround are

F-Out (Front), SS-Out (Back), BS-Out (Surround) and C/B (Center/Subwoofer) respectively.

2. Microphone

Plug the MONO microphone into the Mic-in jack on the USB Audio Adapter.

3. Stereo Audio Input

Plug the STEREO line into the Line-in jack on the USB Audio Adapter.

4. Headphone

Plug the Headphone line into the headphone jack on the Sound Box.

5. **Power LED Indicator:** Lights up when powered on; flash when operation.

Record Mute LED Indicator: Lights up for recording muted, lights off for recording function can be used.

6. To enhance your audio performance, set your audio properties to the **full hardware acceleration** and the best **sample rate conversion quality**.

peakers Performance El	fects				
C These settings con	trol how	Windows	plays aud	o. They	can help yo
troubleshoot audio-	related p	problems.			
Audio playback					
Hardware acceleration:		None			Full
		I.			
Full acceleration: use this	setting ti	o enable a	II acceler	ation feat	ures.
Sample rate conversion q	uality:	Good		-7	Best
Best sample rate converte conversion.	r: provid	des best q	uality sam	ple rate	
Restore Defaults					

Note :

Some USB Host Controller may have problem with data stream package loss, this will influence output audio data and make some discontinuous sound. But this is very rare.

Sometime, when user plug USB Personal Multi-media Device on PC system and OS cannot auto change audio device to USB audio; please switch the audio device to USB audio sound and audio devices properties in control panel.

/olume	Sounds	Audio	Voice	Hardy	vare
Sound	lauback				
O.	<u>D</u> efault device	e:			
9	C-Media USB	Device			~
		⊻olume		Adva <u>n</u> ced	
Sound re	ecording				
P	D <u>e</u> fault device	×			
18	Modem #0 Li	ne Record			~
		Volume		Advan <u>c</u> ed.	
MIDI mu	sic playback -				
	De <u>f</u> ault device	e:			
nen	Microsoft GS	Wavetable S\	V Synth		~
		Volu <u>m</u> e		A <u>b</u> out	
] <u>U</u> se or	ly default devi	ces			

How to Setting 7.1 Surround Sound Speakers

On Windows 2000 and XP

Please follow the steps and finished the 7.1 surround sound speakers setting.

My computer > Control Panel > Sounds and Audio Devices > Volume > Speaker Settings > Advanced > Speaker setup > 7.1 surround sound speakers.

ounds and Au	dio Devices Pro	perties	?×	Advanced	l Audio Prop	erties	?
Volume Si	ounds Audio	Voice	Hardware	Speakers	Performance	Effects	
🔊 USB	Sound Device			Ø,	Select the spea on your comput	aker setup that is most like the setup you have ter.	
Device volum	e Low Mute	£ £ £ £	- Q High				
Speaker activ	Place volume icon ir	n the taskbar	vanced		Ģ		
Speaker settin	ys Use the settings be speaker volume an Speaker Volume	low to change d other settings Ad	individual s. vanced		Speake 7.1 hot	er setup: me theater speakers	
	ОК	Cancel	Apply	-		OK Cancel	pply

*Actual strings depend on your operation system. These screen shots are from Windows XP and might vary slightly for each operation system.

On Windows Vista

Please kindly follow the steps and finished the 7.1 surround sound speakers setting.

Settings > Control Panel > Hardware and Sound > Playback > Configure > Speaker setup

> 7.1 surround sound speakers.

	2- USB Sound Device Working	
0	Speakers High Definition Audio Device Not plugged in	
Q	Headphones High Definition Audio Device Not plugged in	
	Digital Output Device (SPDIF) High Definition Audio Device Working	

🔵 👩 Speaker Setup	
Choose your configuration	
Select the speaker setup below that is most like the configuration on your computer. Audio channels:	
Stereo Quadraphonic 5.1 Surround 7.1 Surround	
▶ <u>I</u> est	Click any speaker above to test it.
	Next Cancel

🚱 🧃 Speaker Setup	
Customize your configuration Check the boxes below to indicate which speakers are present in your surround configuration. Optional speakers:	E ER
	Click any speaker above to test it. Next Cancel

On Mac OS X v10.x or higher

Please kindly follow the steps and finished the 7.1 surround sound speakers setting.

1. Select **Go** first and then chose **Utilities** after, keep select **Audio MIDI Setup** as below screen.



 Under Audio MIDI Setup, open the Audio Devices, and make sure you have chose USB Sound Device under System Settings and Properties For. Also please check Audio Output has setting the Format: at 8ch-16bit.

After settings as above, please select **Configure Speakers** and going to next step.

🖲 🔿 🔿 Audio M	IDI Setup
Audio Devices	MIDI Devices
System Settings Default Input:	Default Output: 🜵 USB Sound Device 🗘 System Output: 🜵 USB Sound Device 🛟
Properties For:	Configure Speakers Audio Output
Master Stream \$ Source: External Line Connector Format: 44100.0 Hz 2ch-16bit	Master Stream \$ Source: Default Format: 44100.0 Hz 8ch-16bit
Ch Volume Value dB Mute Thru M -	Ch Volume Value dB Mute M - - - 1 0.12 -24.19 - 2 0.12 -24.19 - 3 0.99 -0.19 - 4 0.99 -0.19 - 5 0.99 -0.19 - 6 0.99 -0.19 - 7 0.99 -0.19 - 8 0.99 -0.19 -

3. Select **Multichannel** then chose **7.1 Rear Surround**, and now the setting has finished.

sub-	peaker to play a sou	nd.	
4	left front 3	center right front	
		2	
		0	
left			right
5			6
left n surro	ear	riş	pht rear pround
7		8	•

4. Recording Function in SPDIF IN.

After settings as above, please select **External SPDIF Interface** under source.

00		A	udio MI	DI Setup	_		_	_	
		Audio D	evices	MIDI Devio	es				
System Setting	s								
Default Input:	🜵 USB Sour	nd Device	-	Default Out	put: 💽	🖞 USB So	und De	vice	•
				System Out	put: 🔄	USB So	und De	vice	•
Properties For:	VSB Sour	nd Device	•						- 🔊
Clock Source:	Default		\$	Configur	e Speaker	s			
Audio Input —				Audio Outp	out —				
Master Stream	1	•		Master S	tream		¢		
Source: Ext	ternal SPDIF Interf	ace	•	Source:	Default				\$
Format: 441	100.0 Hz 🔳 🤇	2ch-16bit	•	Format:	44100.0) Hz 💌	8ch-	16bit	•
Ch Volume	Value	dB Mute T	hru	Ch Volume			Value	dB	Mute
м О		- 8 6		м о			-	-	
2 0							0.99	-0.19	
- 0		- 0 0		3		—ě	0.99	-0.19	ă
				4			0.99	-0.19	ē
				s			0.99	-0.19	8
				6			0.99	-0.19	8
				7			0.99	-0.19	
				8			0.99	-0.19	
							_	_	

5. Please open Audio Recorder, and double click Audio Recorder. (The Audio Recorder may vary by different System) $\ \circ$

View	Go Windo	ow Help				-
	Back Forward Enclosing	Folder	원[원]			F
	-			Applications		5
	Compi	uter	0%C		Q	
	Deskte	20	0 mm	Name	Date Modified	Si
	A Netwo		AWV	OVD 😳	Sep 2, 2009, 8:54 PM	68.7 M
	I IDial		Um	IChat	Aug 28, 2009, 6:29 AM	114.6 M
		14		觉 iCal	Aug 28, 2009, 6:29 AM	94.4 M
•	A Applications ①第A X Utilities ①第U		①第A	🎸 GarageBand	Sep 2, 2009, 8:54 PM	90.1 M
			企業U	🛔 Front Row	Aug 28, 2009, 6:29 AM	380 1
	2000021212000		100	M Font Book	Jun 19, 2007, 4:31 PM	18.1 M
	Recent Fo	olders	•	🗃 Exposé	Aug 28, 2009, 6:29 AM	456 1
	Co to Folder 090		090	DVD Player	Aug 28, 2009, 6:29 AM	42.8 M
	Connect	Conver	49V	Dictionary	Aug 28, 2009, 6:29 AM	10.4 M
	Connect	to server	49 M	Dashboard	Aug 28, 2009, 6:29 AM	188 1
		Applicat	tions	Reference Comic Life	Sep 2, 2009, 8:54 PM	18.4 M
		B Docume	nts	🕹 Chess	Aug 28, 2009, 6:29 AM	5.3 M
		V SEARCH FOR		Calculator	Aug 28, 2009, 6:29 AM	13.4 M
				Big Bang Board Games	Sep 2, 2009, 8:54 PM	
		Today		🖉 Automator	Aug 28, 2009, 6:29 AM	28.7 M
		Yesterda	iy 🛄	Audio Recorder	Oct 29, 2008, 10:10 AM	12.3 1
		🕒 Past Wee	sk	AppleScript	Aug 28, 2009, 6:29 AM	
-		🙆 All Imag	es 🔺	📮 Address Book	Aug 28, 2009, 6:29 AM	55.3 M
		All Movie	es 🔻	()) 4 1
Qui				1 of 38 selected, 12.91 GB available		

6. Please click the red circle next to Output File to choose which file you want to save to.

0 0	Macvide Aud	io Recorder	
Output File			
			\smile
Recording Audio	Device		
MacVide Au	dio Connector		÷
🗹 Play Audio	On Recording		
Output Settings			
Format:	mp3 (Stereo)		Record
Ditrotor	DEC Khas		Play
Bitrate:	250 KDps		Fiay
Sample Rate:	44100 Hz		Stop
Change		Time: 0s	
www.macvide.c	om		(Registration)

7. Please name the file.

	Macvide Audio Recorder		
	Output File		
		\bigcirc	
			Piet
	Select output file		
	Save As: 12		
	Where: 📋 Desktop	•	
-			
	Format: mp3 files (*.mp3)	•	
		(Cancel)	Save
		Current	Jure
	Sample Rate: 44100 Hz	Stop	
	(Change) Time: 0s		
	Change		
	www.macvide.com	registration	
		11.	

8. Please click save and the following screen will show up.

0 0	Macvide Aud	io Recorder	
Output File			
/Users/testte	est/Desktop/12.	mp3	0
Recording Audio	Device		
MacVide Au	dio Connector		•
✓ Play Audio	On Recording		
Output Settings			
Format:	mp3 (Stereo)	11	Record
Bitrate:	256 Kbps		Stop
Sample Rate:	44100 Hz		Stop
Change		Time: Os	
www.macvide.o	<u>:om</u>		Registration

9. Please choose USB Sound Device under Recording Audio Device.

00	Macvide Aud	io Recorder	
Output File			
/Users/testte	est/Desktop/12.	mp3	
Recording Audio	Device		
USB Sound	Device		÷
🗹 Play Audio	On Recording		
Output Settings			
Format:	mp3 (Stereo)	11	Record
Bitrate:	256 Kbps		Play
Sample Rate:	44100 Hz		Stop
Change		Time: Os	
www.macvide.	<u>com</u>		Registration

10. Please click Record to start recording.

00	Macvide Aud	io Recorder	
Output File			
/Users/testte	st/Desktop/12.	mp3	
Recording Audio	Device		
USB Sound D	levice		* *
√ Play Audio	On Recording		
Output Settings			
Format:	mp3 (Stereo)	11	Pause
Bitrate:	256 Kbps		Play
Sample Rate:	44100 Hz	- 1	Stop
Change		Time: 5s	
www.macvide.c	om		Registration
			1

3. Application Software Installation

For Windows XP and Vista only

Notice : This application software allows you have extra functions as Karaoke, microphone echo, magic voice, key shifting and vocal canceling...etc. Only support on Windows XP and Vista only.

Connect the adapter first and then follow the procedures below to install the driver.

 Connect the USB 7.1 Channel Adapter to your USB port of computer first, and insert provided CD into CD-Rom. You may find the screen pop up as below. You may find the USB Audio Device screen pop in the notification area as below.



2. Please follow the steps and process the installation.



3. When the USB Multi-Channel Audio Device screen appears, Click on **Next**, and you may find the **Setup Status** process automatically as below screen.

USB Multi-Channel Audio Device	
Start Copying Files	Seren 1
Review settings before copying files.	1
Setup has enough information to start copying the program files. If you want to review change any settings, click Back. If you are satisfied with the settings, click Next to be copying files.	/or egin
Current Settings:	
Installation version 1.00.0032	~
Driver files will be copied into	
C:\Program Files\USB Multi-Channel Audio Device	
5	2
InstallShield	
< <u>Back</u> Next>	Cancel
USB Multi-Channel Audio Device	
USB Multi-Channel Audio Device Setup Status	×
USB Multi-Channel Audio Device Setup Status USB Multi-Channel Audio Device is configuring your new software installation.	
USB Multi-Channel Audio Device Setup Status USB Multi-Channel Audio Device is configuring your new software installation.	
USB Multi-Channel Audio Device Setup Status USB Multi-Channel Audio Device is configuring your new software installation.	
USB Multi-Channel Audio Device Setup Status USB Multi-Channel Audio Device is configuring your new software installation.	

4. After USB Multi-Channel Audio Device Driver installation complete, please select Yes, and reboot the computer to effect the driver install.

USB Multi-Channel Audio Device
Installing USB Multi-Channel Audio Device Driver
USB Multi-Channel Audio Device
Installation is complete. You must restart your computer.
Yes, I want to restart my computer now.
Finish

5. After reboot and system running up again, a pop-up message will appear in the notification area indicating the installation is complete. You may click it to open and for functions control.



*Actual strings depend on your operation system. These screen shots are from Windows XP and might vary slightly for each operation system.

Using Interface and Function Control

This section will show you the using Interface and function control.



Please **Right click** the **USB Multi-Channel Audio Device icon** to use the function as Volume Control, Windows Media Player, Sound Recorder and Multimedia Properties.

To open the Using interface, please **Left click** the USB Multi-Channel Audio Device icon and select **Open**, or **double click** the USB Multi-Channel Audio Device icon to entry the Using Interface.



Main Setting



Using Analog Output

- 1. **Analog Output** : Turn on this button then can select analog output channels mode.
- 2. Analog Output channels Mode : Earphone, 2CH, 4CH, 6Ch and 8CH for selected.
- 3. **Digital Output** : Turn on this button then can select SPDIF Out data format.
- 4. **Digital Output Mode** : Dolby RTCE, PCM for selected.
- 5. Audio Jack Connected Display
- 6. **DSP Mode** : Pull down to select different DSP Mode. (Default support Xear 3D)
- Virtual SPEAKER SHIFTER : Can open SPEAKER SHIFTER windows for control. (For detail information see the next page)
- 8. **Digital Volume Control** : Can open each channel to adjust digital volume. (For detail information see the next page)
- 9. Channel Display & Speaker Test : Can show analog output channel status and directly click speaker graphic can do sound testing.
- 10. Auto Sound Test : Can auto testing every channel sound effect.
- 11. Stop Auto Sound Test : Can stop auto testing.

Victual Speakers Shifter



- 1. Total Volume Up Control
- 2. Total Volume Down Control
- 3. Clockwise
- 4. Counter Clockwise
- 5. Manual Rotation
- 6. Manual Shifter
- 7. Reset
- 8. Shifter Drag

Digital Volume Control



- 1. Reset Volume
- 2. Left Channel Control
- 3. Center Channel Control
- 4. Right Channel Control
- 5. Subwoofer Channel Control
- 6. Rear Right Channel Control
- 7. Right Back Channel Control
- 8. Left Back Channel Control
- 9. Rear Left Channel Control



- 1. Balance Control
- 2. Volume Up/Down Control
- 3. Master Volume On/Off
- 4. Wave Volume Balance
- 5. Wave Volume Control
- 6. Wave Volume On/Off
- 7. SW Synth Volume Balance
- 8. SW Synth Volume Control
- 9. SW Synth Volume On/Off
- 10. CD Volume Balance
- 11. CD Volume Control
- 12. CD Volume On/Off
- 13. Microphone Balance
- **14. Microphone Control**
- 15. Microphone On/Off
- 16. Microphone Advanced Setting

Recording Volume Control



- 1. Stereo Mixed Balance Control
- 2. Stereo Mixer
- 3. Stereo Mixer
- 4. Microphone Record Balance
- 5. Microphone Record Volume Control
- 6. Microphone Record On/Off
- 7. Microphone Record Advanced Setting

Effects



Environment

- 1. Bathroom
- 2. Opera
- 3. Underwater
- 4. Music Pub
- 5. More option : 27 mode for selected

Environment Size

- 6. Large
- 7. Middle
- 8. Small



9. Ten Band Equalizer Adjust

- 10. Pre-Set Mode (Default)
- 11. Pre-Set Mode (Dance)
- 12. Pre-Set Mode (Bass)
- 13. Pre-Set Mode (Treble)
- 14. Pre-Set Mode (Live)
- 15. Pre-Set Mode (Rock)
- 16. Pre-Set Mode (Soft-Rock)
- 17. Pre-Set Mode (Jazz)

Equalizer

- 18. Pre-Set Mode (Metal)
- 19. Pre-Set Mode (RAP)
- 20. Pre-Set Mode (Classic)
- 21. Pre-Set Mode (Vocal)
- 22. Equalizer User Define On/Off
- 23. Pull to select user define mode
- 24. User Define naming key in
- 25. Add new user define mode
- 26. Del user define mode

Karaoke

USB 3D Sound Configuration	X
Main Setting Mixer Effect Karaoke Information	
1 CON Reset 2	
3 Microphone Echo Select Recording Source(Microphone) Enable Microphone Playback	
Low High +0dB	
Key Shifting Low High +0	
Vocal Cancellation Voice No Voice +0	
	ОК

- 1. Karaoke On/Off : Click this button then can control all karaoke functions.
- 2. Karaoke Setting Reset : Can reset all setting to default value
- 3. **Start Microphone Echo Function** : Select this button will pop up a dialog box to enable microphone function.

Click "OK" button to select recording source and enable microphone



- 4. Echo Low/High Control Bar : Adjust echo low/high
- 5. **Magic Voice Function (Optional)**: This function only supported in multi-channel audio products.

When you enable microphone echo then can pull down the menu to select magic voice. Magic voice provides 5 different effects for choice.

	E ^{m)}
Magic Voice Microphone Echo Magic Voice	✓Select Recording Source(Microphone) ✓Enable Microphone Playback
Default	

- 6. **Start Key Shifting Function** : Select this button to enable key shifting function and control.
- Key Shifting Low/High Control Bar : This function can adjust tune of background music to fit your singing.
- 8. **Star Vocal Cancellation Function** : Select this button to enable vocal cancellation function and control.
- 9. Vocal Canceling Control Bar : This function can control singer's vocal of background music and cancel it as possible.

3. Troubleshooting

1. No Sound

You can often resolve a few basic problems by checking:

- The power of the speaker
- The sound volume
- The cable connections
- The audio CD compatibility

2. No Sound Is Recorded

You can often resolve a few basic problems by checking:

- If the MIC is probably connected
- If the file is saved and opened properly

3. Why play CD without sound ?

These settings determine the way in which Windows uses this CD-ROM for playing CD music. CD Player Volume Low	General	Properties	DVD Re	gion Vo	lumes	Drive		
CD Player Volume Low	P	These setti CD-ROM fo	ings determ or playing C	iine the w D music.	ay in v	vhich W	indows us	es this
Low High Digital CD Playback You can have Windows use digital instead of analog playback of CD audio. This feature may not work with all CD-ROM devices, disable if you are having problems with CD audio. IV Enable digital CD audio for this CD-ROM device.		layer Volume	•					
Digital CD Playback You can have Windows use digital instead of analog playback of CD audio. This feature may not work with all CD-ROM devices, disable if you are having problems with CD audio.	Low	1 i	1 1	1 1	r	T I	•) High
	You o	can have Wi	indows use	digital in: work with	stead o	of analo I-ROM I	g playback tevices id	c of CD isable if you
	You o audic are h	can have W . This featu aving proble nable digital	indows use re may not ms with CD CD audio f	e digital in: work with audio. for this CE	stead c n all CD)-ROM	of analo 0-ROM device	g playbacł devices, d	of CD isable if you
	You a audic are h	can have W . This featu aving proble nable digital	indows use re may not ms with CD CD audio f	e digital in: work with audio.	stead o n all CD	of analo)-ROM (g playbacł devices, d	of CD isable if you
	You o audic are h	can have W . This featu aving proble nable digital	indows use re may not ms with CD CD audio f	e digital in: work with audio. for this CE	stead o h all CD	of analo 0-ROM (device	g playbacł devices, d	of CD isable if you

Most general case was digital CD playback function did not open. Because USB audio is digital signal, it is use different path to process CD music with traditional analog CD.

You should open "Device Manager", select "DVD/CD ROM drives" and open it. Then switch to "properties" page and enable digital CD audio.

4. When using software application program (Like: Media player, Winamp, PowerDVD, WinDVD....) to playback any media files, can I plug out USB audio device while playing?

It is incorrect mode of operations, because while application programs were playing audio stream, windows system is stilling using audio device to process and deliver data real-time. So, when user plug out USB audio device windows system can not delivering audio data to the same device, so that system will be confused and make application programs failure or system crash.

The right way to plug out USB Audio device was stop playback function first. Especially when your Windows system was Win98SE or WinME, this corrected operation will keep stability of working system. Otherwise, uncorrected plug out will cause application program or system crash.

Note :

Do not plug out while application programs were playing media files. Please stop playback before plug out USB audio device.



5. If the real 7.1 source is not available under Vista™

If the real 7.1 source is not available under Vista, you have to click the button of surrounding effect to activate audio output via SS-out, BS-out and C/B out. Otherwise, audio output will transmit through headphone and Front out only.

First of all, please click "DSP Mode" to change the screen of DSP Effect to Shifter.

ain Setting Mixer Effect Karaoke/Magic Voice Information	
System Input	
8 CH · ?	MP3,CD,VCD,Wav,WMA
DSP Mode	오
	DSP Effect
Z-1 V(RUD) CHEAKEN SHIFTER	7.1 Vitual SPEAKER SMIFTER
Output Mode	de enter Fro
Analog Output	Output Device
7.1 Speakers	
Digital Audio 48 KHz 🗸	
G S/PDIF Output	
PCM -	

Secondly, please click clockwise or counter clockwise surrounding effect to activate

audio output via SS-out, BS-out and	Clockwise, counter clockwise surround
USB Multi-Channel Audio Device	
Main Setting Mixer Effect Karaoke/Magic Voice Info	pmation
System Input	
8 CH - ?	
DSP Mode	
Output Mode Analog Output	Ls Lb Rb
	🔲 - 03 dB 💽 - 04 dB 💽 - 03 dB 🕕 - 03 dB
	E - 03 dB (- 03 dB (- 03 dB
PCM V	
	ОК

4. Limitations

- 1. If the audio source is not 7.1 Channel, the output cannot achieve the optimized audio effect.
- 2. Windows® 2000:

Does not support Line-In, SPDIF-In, and SPDIF-out.

Mac OS:

Does not support SPDIF Out

Support recording but monitoring under Line In.

3. Windows® XP and Vista™:

If the driver of External USB 7.1 Channel Sound Box is properly installed; External

USB 7.1 Channel Sound Box will switch to headphone mode after plugging in a

headphone jack. There will no output for surround output, back surround output, and

center/Subwoofer output but front out will keep functioning.

4. The button of Playback mute can work at Headphone-out, F-out, SS-out, BS-out, and C/B out but SPDIF out.

5. Specifications

ltem	Description		
Interface	USB 1.1/ 2.0		1 x USB Type B Port
Connector	Audio-Out	Headphone	1x3.5mm Stereo audio Jack Female in Green
		Front Audio	1x3.5mm Stereo audio Jack Female in Green
		Surround	1x3.5mm Stereo audio Jack Female in Gray
		Back surround	1x3.5mm Stereo audio Jack Female in Black
		Center/Subwoofer	1x3.5mm Stereo audio Jack Female in Yellow
		S/PDIF-In	1x S/PDIF Audio Jack Female in Black
	Audio-In	Line-In Port	1x3.5mm Stereo audio Jack Female in Blue
		MIC-In Port	1x3.5mm Stereo audio Jack Female in Pink
		S/PDIF-In	1x S/PDIF Audio Jack Female in Black
LEDs	Green	Lights up when powered on; flash when operation.	
	Blue	Lights up for microphone mute	
HID Buttons	Volume Up	Press the Volume up button for volume up	
	Volume Down	Press the Volume down button for volume down	
	Speaker Mute	Press the Speaker Mute button to mute speaker	
	MIC Mute	Press the microphone Mute button to mute microphone	
Power mode	Bus-Power only		
Sampling rate	Supports Fixed 48/44.1 KHz sampling rate in analog recording and playback		
Compliant	USB 1.1 and 2.0		
	USB audio device class specification 1.0		
	IEC 60958 spec. compliant		
	(consumer format S/PDIF input and output with loop-back support)		
	SCMS (Serial Copy Management System)		

* Specifications are subject to change without notice.

6. Regulatory Compliance

FCC Conditions

This equipment has been tested and found to comply with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference

(2) This device must accept any interference received. Including interference that may cause undesired operation.

Important! Changes or modifications not expressly approved by the manufacturer responsible for compliance could void the user's authority to operate the equipment. Use an approved phone set.

CE

This equipment is in compliance with the requirements of the following regulations: EN 55 022: CLASS B

WEEE Information

For EU (European Union) member users:

According to the WEEE (Waste electrical and electronic equipment) Directive, do not dispose of this product as household waste or commercial waste. Waste electrical and electronic equipment should be appropriately collected and recycled as required by practices established for your country. For information on recycling of this product, please contact your local authorities, your household waste disposal service or the shop where you purchased the product.



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