OPERATING INTRODUCTION



DIGITAL SPEAKER MANAGEMENT

Attention

Warning:

To prevent the short circuit, keep the device away from any place of humidity.

Turn off the device immediately in case of water damage and find the right technician for

reparation.

Do not open the device yourself unless by the authorized technician.

When you see the exclamation Mark flashing, the device is also with high voltage and the alert

should be on.

When you see the arrowhead signal flashing, the device is with high voltage. Please do not touch

the device for any reason.

The instruction of the panel



1. LCD display screen

Display the operation interface and menu

2. USB port

Adjusting the relative parameter through PC interface software

- 3. Master volume knob
- 4. Input / Output LED indicator light

8 channels input and 8 channels output

5. Power switch

Connect the input voltage labeled by power transfer switch and click the switch to work well.

6. Exchanging current input socket.

Inserting the relative AC input voltage, according to the shift indicator of power transfer switch.

7. Output Channel

8 output channels, labeled as OUTPUTS A1-A4, B1-B4, namely the first, second.... eight channels

8. Input Channel

8 output channels, labeled as INPUTS A1-A4, B1-B4, namely the first, second... eight channels

9. RS485 IN/OUT

Use RS485 cable to connect the PC to remote control all the device.

PART 1. Device and PC Connection Method

Step 1: Use the USB cable to connect the PC's USB port to the device panel USB port and turn on the power and wait for the both to complete. The method is suitable for using PC to control a single device. Finally connect as shown.

and a	udie Des se		_					_
199 F	AudioProce	essor						
File	Connect	Setting	Edit	Language	Upgrade	About	OldVe	rsion
Proce	Sear	chDevice				x		
	Sele	ctPort		Overall	Output 1	Out	put 2	Outp
5			111	_				
	Device 2	2#						
	- Douites 2							
5	Device 5	, #			10.000			
				Pic 1				
-								
Sear	rch & Cor	nnection						
P	lease choo	se scope (of sear	ch:				
	Conrola	for boot de	vice					
	 and cor 	nnect with	it	O Search	for all device	es Sear	ch/Conn	ect
							Exit	



Step 2: At this point, the software will search for the current master device, automatically connect after searching for the device, and obtain the device parameters. If you need to connect multiple devices, you can select "search for all devices". After all searches are completed, double-click on a device that will be operated.

Step 3: At this time, you will be asked to enter the login password. This password is the same as the device login password. If you do not have a password, you can click Cancel. Without the login password status, you can browse the parameter status of the device, but you cannot modify the parameters.

PART 2. Software interface introduction

1. Import the file parameters of the current preset mode from the PC to the device



2. Export the parameters of the current preset mode of the device to the PC.



3. Import all preset mode parameters from the PC to the device, including system settings and



user passwords.

4. Export all preset mode parameters from the PC to the device, including system settings and user

Pic 6

Pic 7

Pic 8

passwords.

MadioProcessor					
File Connect Setting Edit Language	Upgrade Ab	out OldVe	rsion		
Import Current Preset Param Export Current Preset Param	Output 1	Output 1 Output 2			
Import All Presets' Param					
Export All Presets' Param					
Load From Memory Save To Memory	Input A	MixVolume			
Exit(E)	Input B	Mix	Volume		
Device 6#					
Device 7#	Input C	Mix	Volume -		
Device 8#					

5. Retrieve parameters from the device (the device itself has 8 preset parameters)

695	AudioProcessor				
File	Connect Setting Edit Language	Upgrade A	About OldVe	rsion	
	Import Current Preset Param				
	Export Current Preset Param	Output 1 Output 2 Output			
	Import All Presets' Param				
	Export All Presets' Param				
	Load From Memory	Inout A	MixVolume		
	Save To Memory	Mixvolume			
	Exit(E)	Input B	MixVolume		
ç	Device 6#				
ç	Device 7#	Input C	MixV	olume	
ç	Device 8#				

6. Save parameters from the device (the device itself has 8 preset parameters)



7. Reset the ID number of the currently connected master device

(1) (1)	AudioProce	essor						
File	Connect	Setting	Edit	Language	Upgrade	About	OldVe	ersion
Proc	essor	Ass	sist Ma	nage		1		1
	Device 1	Rei	name (Channels	put 1	Out	put 2	Output 3
5	P Device 1	Re	set Ho	stDevID				
Ģ	Device 2 Reset All IDs							
C	Device 3 Reset Password							
		Log	gin De	vice	nput A	1 E	Mix	Volume
5	Device 4							
Ģ	Device 5	;#			Input B	l k	Mix	Volume
C	Device 6#							
	T						Max	Mahuma
5	Device /	#			Input C		MIX	woiume
C	Device 8	}#						
					Input D		Mix	(Volume 💻

After selecting this option, the following dialog box will pop up. Reset the name and ID number

	DeviceName	NewDevID
evice 1#	AudioProcessor	1
evice 2#	AudioProcessor	2
evice 3#	AudioProcessor	3
Device 4#	AudioProcessor	4
Device 5#	AudioProcessor	5
Device 6#	AudioProcessor	6

8. Reset all the settings and ID numbers. Note that the ID number cannot be repeated. The valid

10

range of the ID number is 1-30.



9. Assist management functions as shown.



Function 1: ON/OFF, Volume control

Function 2: ON/OFF, Hardware load preset mode

Function 3: ON/OFF, temperature control

Function 4: ON/OFF, Peripheral power control

Function 5: ON/OFF, feedback

Assist	Manage							×
	Function 1				Function 5			
	Volume Ctrl	 On 	O Off		Vol.Knob Ctrl.Pwr.	On	O Off	
	Function 2							
	Hardware Load	 On 	O Off					
	Function 3							
	Temperature	On	O Off					
	Function 4							
	Power Ctrl	On	O Off					
				Re	turn			

Pic 13

10. Log in to the device. If you have not logged in to the device at the beginning, you can log in

Pic 14

Pic 16

here.

File Con	nect Sett	ting Edit	Language	Upgrade	About	OldVersion
Processor De De	vice 1 vice 2	Assist Ma Rename (Reset Hos Reset All	nage Channels stDevID IDs	put 1	Out	put 2 Output 3
	Device 3 Reset Password Login Device					MixVolume
	vice 5#			Input B	-	MixVolume

11. Reset device login password

MadioProce	ssor						
File Connect	Setting	Edit	Language	Upgrade	About	OldVe	rsion
Processor	Ass	ist Ma	nage Channels	put 1	Out	put 2	Outpu
Device 1	Res	set Hos	tDevID				
Device 2	Res	set All I	Ds	_			
Device 3	Res	set Pas	sword				
Device 4	Login Device				ſ	Mix	/olume =
Device 5	#			Input B	- H	Mix	/olume 🗕
Device 6	#						

12. Copy the current device parameters, as shown, the Audio Processor Data directory will be

automatically generated in the C drive <My Documents> directory, and the parameters will be

saved to a file for pasting to other devices.

MudioProce	ssor							_
File Connect	Setting	Edit	Language	Upgrade	About	OldV	ersion	
Processor	^		Copy Curren	t Device Pa	ram			$x \in [0, \infty)$
Device 1	#		Paste Param	To Device			Output 3	Out
Device 2	#							
Device 3	#			Inout A				-
Device 4	#			Input A		MD	(Volume	Crossove
Device 5	#			Input B	-	Mix	(Volume	Crossove
Device 6	#							

13. Paste the parameters to the device, click to pop up the following dialog box, select which device

to paste.

MudioProc	essor						_
File Connect	Setting	Edit	Language	Upgrade	About	OldVersion	
Processor	^		Copy Currer	t Device Pa	ram		
Device	1#	-	Paste Param	To Device		Output 3	Out
	2#						
	3#			Inout A		M. M. Laws	_
Device	4#			Input A	ſ	MixVolume	Crossove
Device	5#			Input B	-	MixVolume	Crossove
	6#						

14. Bridge, when one channel is operated, the other channel is in opposite phase, and the

parameters change synchronously.

Limiter	Delay	Mute	Copy Output 1	
Limiter	Delay	Mute	Copy Output 2	
Limiter	Delay	Mute	Copy Output 3	
Limiter	Delay	Mute	Copy Output 4	Pic 18

15. Copy the channel, click the COPY button of the channel you want to operate. In the pop-up

drop-down menu, select the channel for which channel to copy.

Limiter	Delay	Mute	Сору	Output 1
				Bridge
Limiter	Delay	Mute	Сору	From Channel 1
				From Channel 2
Limiter	Delay	Mute	Сору	From Channel 3
				From Channel 4
Limiter	Delay	Mute	Сору	From Channel 5
				From Channel 6
			-	From Channel 7
Limiter	Delay	Mute	Сору	From Channel 8
			-	/ bridge

16. Multi-route, you can select the current signal input source, button "M" is a shortcut key, you can

switch the input signal between 0dB and Mute.

Mix Input Volume								
Input A:	0dB	÷ 🕫	Input E:	Mute 🕂 🗸				
Input B:	Mute	- 4	Input F:	Mute 🕂 🗸				
Input C:	Mute	÷ 1	Input G:	Mute 🕂 🗸				
Input D:	Mute		Input H:	Mute 🛨 🗸				

Pic 20

17. You can choose to display the multi-channel crossover equalization curve at the same time. The



1-4 channels are 1 group and the 5-8 channels are 1 group.

18. Compression curve change diagram

Blue line, noise gate threshold, when the NOISE THRES parameter is modified, the curve follows the change.

Red line, audio compression threshold, when the COMPR.THRES. parameter is modified, the

curve follows the change.

The green line, the compression curve, when the COMPRO.RATIO, NOISE RATIO and OFFSET

parameters are modified, the curve follows the change.



19. Old Version, Used only for reading early (.mem) files and early mode parameter files, for

Pic 23

transition functions, will be cancelled later.

100	AudioProce	essor							
File	Connect	Setting	Edit	Language	Upgrade	About	OldVersion		
Proc C	essor Device 1 Device 2	/# 2#		Overall	Output 1	Out	Import (Import)	Current Preset Param All Presets' Param	5
					Pi	c 24			

Part 3. Device firmware upgrade

AudioProce	ssor					
File Connect	Setting	Edit	Language	Upgrade	About	OldVersion
Processor Device 1 Device 2	#		Overall	Upgr Output 1	adeDevic	ce put 2 Out

Click Upgrade Device. According to the prompts, you can upgrade the firmware on the device.

Pic 25

This function is valid only when it is not online.

Upgrade Confirmation	×
To ensure the success of upgrade, please complete the following steps:	
1.Choose the upgrade file.	
2.Insert the USB cable after the device shutdown.	
3.Restart the device.	
4.Click on the next step for continue.	
Notice:	
1.If you do not upgrade within 15 seconds after the restart the device will exit the upgarde mode.	
2.After the upgrade complete, disconnect the USB cable, and restart the device.	
Choose File	
Next Cancel	
	Pic 26

If the Upgrade button is not clicked within 12 seconds, the upgrade mode will be exited. After

re-plugging the USB cable, you can connect again.