# Tonmind Audio Manager Version 2.0.3

# **User Manual**



# Xiamen Tonmind Technologies Co., Ltd.

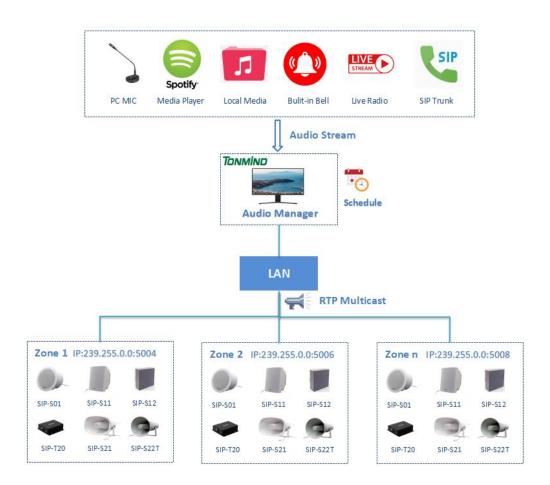
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# **1. Introduction**

#### **About Tonmind Audio Manager**

Tonmind Audio Manager is an audio broadcast software based on IP multicast. It adopted to be used in LAN and supports auto scan batch setting of Tonmind IP Speakers, IP Intercom and SIP Paging Adapter. It is able to play various audio sources from SIP call, live radio, http url, local media player, universal windows media player (for example, Spotify, iTunes, VLC, etc. ) via RTP Multicast. Users can easily set and control zones, contents, rings, volume and scheduling, especially used in school, retail or commercial centers.



# 2. Basic Setting

#### 2.1 Scan Device

Click scan device, all IP speakers connected to the Lan network will show as follows, users are able to check the IP speaker's system information and make basic setting. We can have a name for each IP device by edit the name. Kindly note that this tool can only search and configure Tonmind IP devices.

<b>ر</b> s	ican Dev	rices 📢 F	RTP Multicast	X Options			
		No.	Na	me	MAC		IP Address
	$\odot$	1	D26(	FLY)	a2:c0:a4:a3:07:20	8	192.168.5.210
	$\odot$	2	offi	се	a2:c0:a4:20:03:bc	8	192.168.5.253

### 2.2 IP Address

Tonmind IP audio default IP is 192.168.5.200, we can set the DHCP address for it, if you need to set all devices into DHCP, click set all, hold on few seconds, all IP devices connected will create a DHCP IP address.

68.5.210
6 <mark>8.</mark> 5.253
LY)

### **2.3 SIP Account**

Users can set two SIP accounts for each Tonmind IP device by IP tool, put SIP sever information of Tonmind PA System Lite/Pro or Any IP PBX in the below table.

Image: Description of the second se			No.	Name	MAC	IP Address	Netmask	Gateway	SIP Account
SIP Settings    D26(FLY)      SIP Account    Account1      Username    6000      Server Host    192.168.5.21      Auth ID    6000      Password    6000      Outbound Proxy    Disable      Display Name    6000		$\odot$	1	D26(FLY)	a2:c0:a4:a3:07:20	192.168.5.210	255.255.255.0	192.168.5.1	6000@192.168.5.21:5060
SIP Account1  Account1    Username  6000    Auth ID  6000    Password  6000    Outbound Proxy  Disable ~    Display Name  6000		۲	2	office	a2:c0:a4:20:03:bc	192.168.5.253	255.255.255.0	192.168.5.1	
SIP Account  Account1    Username  6000    Auth ID  6000    Password  6000    Outbound Proxy  Disable									
SIP Account  Account1    Username  6000    Auth ID  6000    Password  6000    Outbound Proxy  Disable									
Username6000Server Host192.168.5.21Auth ID6000Server Port5060Password6000Outbound ProvDisable <	S	IP Settin	gs —	D26(FLY)			7		
Auth ID6000Server Port5060Password6000Outbound ProvDisable <	SI	P Accour	it .	Account1 ~					
Password  6000  Outbound Proxy    Display Name  6000	Us	ername		6000	Server Host	192.168.5.21			
Display Name 6000	Au	th ID		6000	Server Port	5060			
	Pa	sword	81	6000	Outbound Proxy	Disable ~			
Expire Time 180	Di	splay Na	ime I	6000					
	Ex	pire Tim	e	180					

### 2.4 Firmware Version

How to upgrade Tonmind IP speaker's firmware version in AM system?

- Click firmware version No.
- Download the latest firmware version from <u>www.tonmind.com</u> or contact Tonmind sales.
- Select the latest version firmware xxx-xxx-APP.bin.
- Click upgrade to refresh, it would require about 20s.

irmware File	op/Mavis/testing/D26V_1.0.28_20240311_app/app.bin Select					
Ē						
	Upgrade	Upgrade All				

#### 2.5 Volume

- Setting output& input volume, it is able for one by one or bulk setting. Click
  to locate the speakers. After setting, click the audio test to check the volume.
- Amp Auto off: Turn on this option is to reduce the amplifier noise while it's under working, specially use in IP speaker, it's necessary to be turned on.

Audio Test		
Microphone Volume 🍕	•	0
Speaker Volume 🛛 📢	•	0
Amp Auto OFF 🛛 🕑		
Set	90	et All

### 2.6 System Setting

Tonmind IP audio default username: admin, password:tm1234. Users can reset new username and password if necessary, also can restore or reboot single device or all devices together.

Jsername	admin
assword	tm1234
Set	SetAll
Set Restore	

### **3. RTP Multicast**

#### **3.1 RTP Address**

First step we need to set a RTP address for each device, there are 10 RTP addresses can be created, kindly note port numbers do not use continuous numbers when setting the same RTP addresses. Use discontinuous numbers. eg: 239.255.0.1:6000, 239.255.0.1:6001, 239.255.0.1:6002 (×)

239.255.0.1:6000, 239.255.0.1:6002, 239.255.0.1:6004 ( $\sqrt{$ )

- Multicast address ranges: 224.0.0.0-239.255.255.
- Port range: 1024-65536.

		No.	Name	MAC	IP Addre	ss Netmask	Gateway	SIP Account	RTP Multicast
	۲	1	D26(FLY)	2:c0:a4:a3:07:2	2.168	.5.2 255.255.255.0	192.168.5.1	@192.168. <mark>5.2</mark> 1	:39.255.0.0:600
D	۲	2	office	2:c0:a4:20:03:b	2.168	3.5.2 255.255.255.0	192.168.5.1	/	
								/	
R	TP Se	ettings —	D26(FLY) —		1				
R	TP1	239.255.0	0.0:6000	F	RTP6 23	9.255.0.0:6010			
R	TP2	239.255.0	0.0 <mark>:6002</mark>	F	RTP7 23	9.255.0.0:6012			
R	TP3	239.255.0	0.0:6004	F	RTP8 23	9.255.0.0:6014			
R	TP4	239.255.0	0.0:6006	F	RTP9 23	9.255.0.0:6016			
R	TP5	239.255.0	0. <mark>0:6008</mark>	R	TP10 23	9.255.0.0:6018			
-		-					-		

#### 3.2 How to Create A Zone

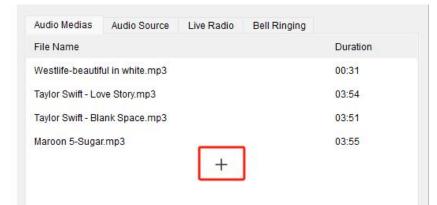
Click **RTP** Multicast for zones setting, **+** for adding zones and **B** for saving configuration.

- Zone Name: A name to identify the zone.
- Multicast IP: RTP IP address for manage audio streams for the speakers and other device.
- Audio Codec: Four options to be MP3, G722, PCMU, PCMA.
- Schedule: Set-time broadcasting, widely use in school, office and factory to play background music or alarm rings.
- SIP trunk: It's used for registration of the zone to other SIP sever, making a zone as a SIP extension.
- Http: Use http url to input and output the zones paging.

All Zones 🔡	+ Zone Name		classroom1			
aclassroom1	Multicast IP		239.255.0.0:8000			
classroom2	Audio Codeo		MP3 ~			
classroom3	Schedule					
	SIP Trunk		■ 6000@192.168.5.213	3:5060(Registering)		
	Http		B			
	Audio Med	iae Au	dio Source Live Radio	Bell Ringing		
			109/Tonmind Audio Mana		p3 Sele	ect
	Repeat Ty			genovandoralenti.m		500
	Demo Bell		<u> </u>			
		Play	Name	Duration	Select	
	1	•	alert1.mp3	00:02	Select	D
	2		alert2.mp3	00:01	Select	
	3	•	arpeggio.mp3	00:03	Select	
	4	•	ballgame1.mp3	00:05	Select	0
	5	•	ballgame2.mp3	00:03	Select	D
	6	•	belltone3sec.mp3	00:03	Select	
	7	•	belltone5sec.mp3	00:05	Select	)
	8		belltonepulse.mp3	00:03	Select	)
	1.5					

#### 3.2.1 Audio Stream

• Audio Media: Local audio resources, users can add like MP3 to the system.



 Audio Source: There are two ways, one is live microphone in, you can announce directly in PC or a connected microphone. And the other one is the system could detect the signal from outside music player like spotify and then auto playing.



• Live Radio: Put a live radio address and press start button, then the real-time radio is able be played.

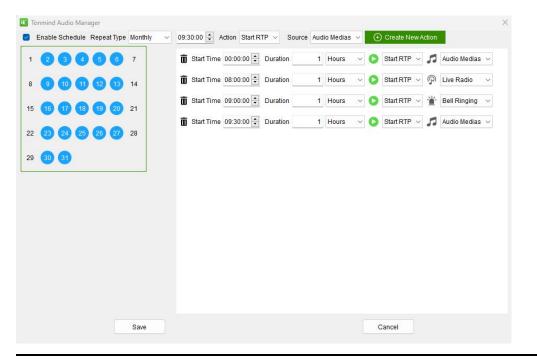


• Bell Ringing: There are 28 options build in, you can also customize your own and select from PC or connected device.

Repe		0109/Tonmind Audio Mana e Only v		np3 Select
	Bell Ringing			
	Play	Name	Duration	Select
	•	alert1.mp3	00:02	Select
	•	alert2.mp3	00:01	Select
	•	arpeggio.mp3	00:03	Select
	•	ballgame1.mp3	00:05	Select
		ballgame2.mp3	00:03	Select
	•	belltone3sec.mp3	00:03	Select
	•	belltone5sec.mp3	00:05	Select
	•	belltonepulse.mp3	00:03	Select

#### 3.2.2 How to Set A Schedule

Enable schedule, choose repeat type, start time, action and source, then create new action and save, a new schedule will go into effort.



#### 3.2.3 SIP Trunk Setting in Zone

- Press SIP trunk and enable SIP.
- Register a SIP account from a SIP sever, like PA system or IP PBX.
- Save the setting, then you can make phone call as a audio stream to the speakers and other device of the zone.

Ittp	🔟 Tonmind Audio Ma	anager X
Audio Media	Enable SIP	Registering
Bell Rin	SIP Server	192.168.5.213
Repeat Typ	SIP port	5060
Demo Bell I	SIP Number	6000
F	SIP Auth Id	6000
1	SIP Password	6000
2	Display Name	6000
3	Expire Time	3600
4		
5	Save	Cancel

#### 3.2.4 How to Use Http

- Enable http stream: A http output, for example, when we open this stream in the other PC, the PC can receive and listen to the broadcasting on the zone.
- Enable Http API: A http input, for example, we can put two urls on tonmind pa system lite/pro, they can manage the paging of this zone.

# **4. System Options**

After clicking to start the system, then going into the page as below , click on the option for setting.

- General: Language(English/Chinese), run at start up.
- Network: Set network and SIP port and http port.
- About: Check system details, contact information and machine code.

Q s	can Dev	ices 뎍 R	TP Multicast X Opti	ons					
0		No.	Name	1	Tonmind A	Audio Manager			×
	۲	1	D26(FLY)		General	Language	English	~	
	۲	2	专用响铃 不动						
					Network	Run at start up			
					About				

#### 4.1 How to Get License Key

- Enter option-"about".
- Copy the machine code to us by e-mail: sales@tonmind.com or contact Tonmind sales directly.

• We'll send a license key to you after receiving machine code, active it then license works.

Tonmind /	Audio Manager		×
General	Version	2.0.3	
Network	Build Date	2024-01-29	
	Contact us	sales@tonmind.com	
About	Machine code	54M2681EK-E545-960G7-E3M5N-39H8ID8G8352 Copy	
	Activation Status	Activated	
	License key	i4M2681EK-E545-960G7-E3M5N-39H8ID8G8352.key	
		Activate	