

Audio Manager
Version 1.1.1

User Manual

Audio IP

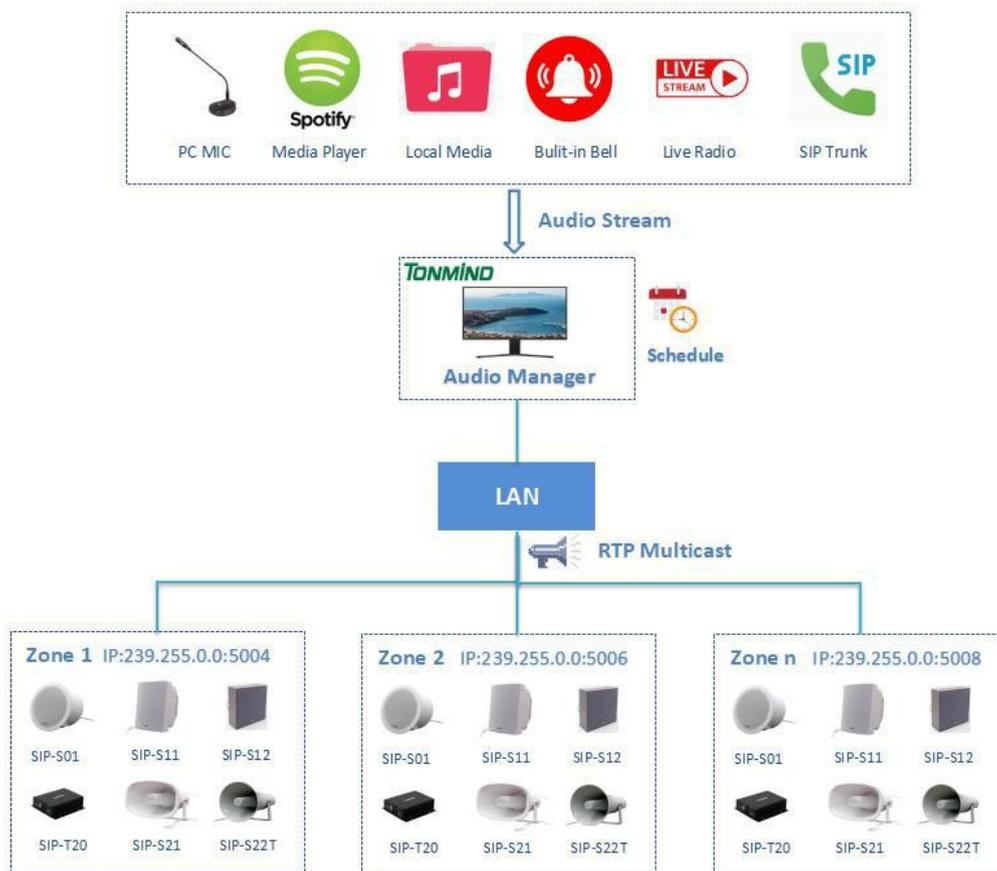
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1. Introduction

About Audio Manager

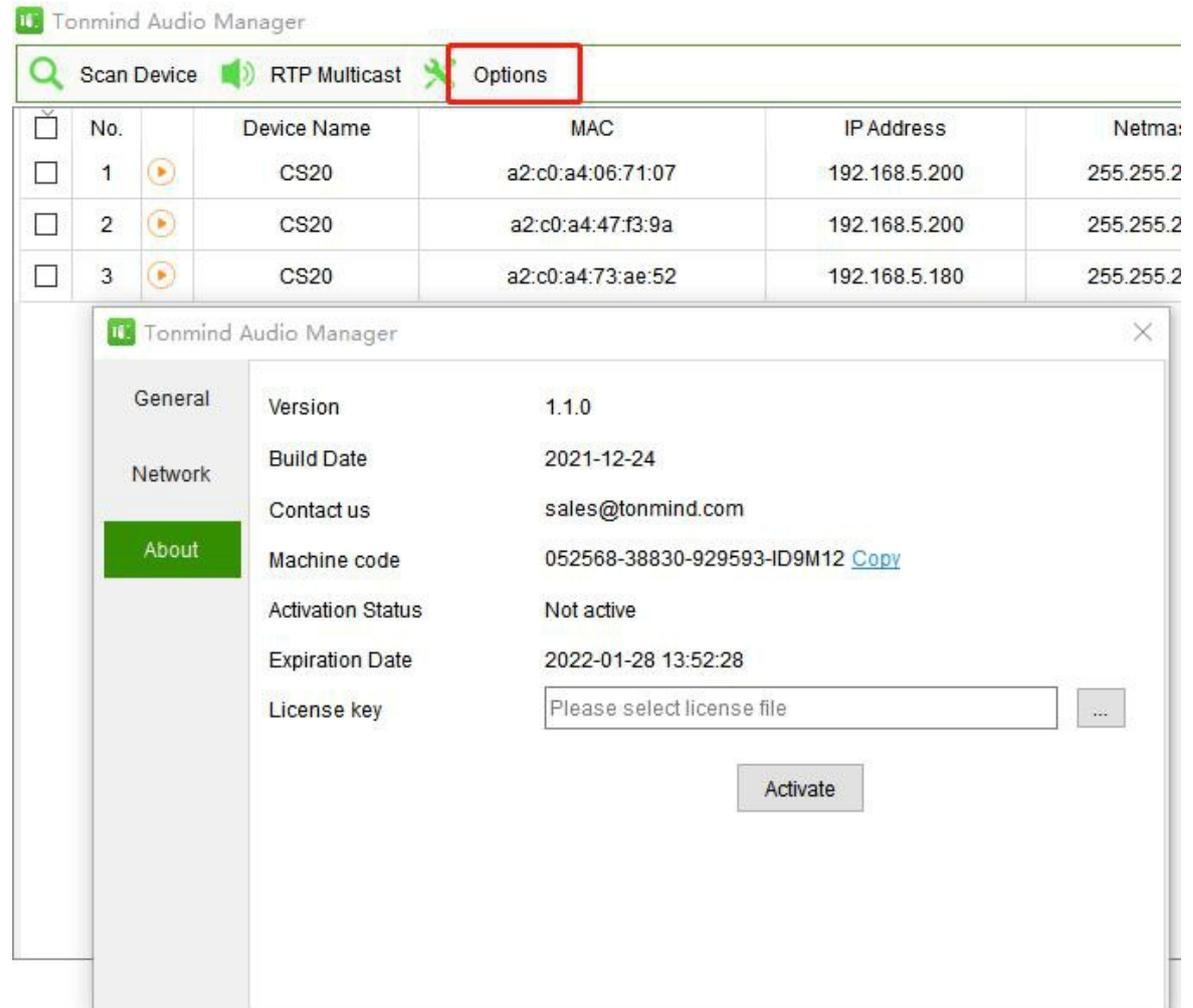
Audio Manager is an audio broadcast software based on IP multicast. It adopted to be used in LAN and supports auto scan batch setting of IP Speaker and SIP Paging Adapter. It is able to play various audio sources from SIP call, live radio, local media player, universal windows media player (for example, 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. System Options Setting

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

- General: Language(English/Chinese).
- Network: Check the IP address and SIP port.
- About: Check system version, contact information and authorized license.



The screenshot displays the Tonmind Audio Manager software interface. At the top, there is a navigation bar with three options: 'Scan Device' (with a magnifying glass icon), 'RTP Multicast' (with a speaker icon), and 'Options' (with a wrench icon). The 'Options' button is highlighted with a red rectangle. Below the navigation bar is a table listing three devices:

<input type="checkbox"/>	No.		Device Name	MAC	IP Address	Netma:
<input type="checkbox"/>	1		CS20	a2:c0:a4:06:71:07	192.168.5.200	255.255.2
<input type="checkbox"/>	2		CS20	a2:c0:a4:47:f3:9a	192.168.5.200	255.255.2
<input type="checkbox"/>	3		CS20	a2:c0:a4:73:ae:52	192.168.5.180	255.255.2

Below the table, a settings window titled 'Tonmind Audio Manager' is open. The 'About' tab is selected in the left sidebar. The 'About' section displays the following information:

- Version: 1.1.0
- Build Date: 2021-12-24
- Contact us: sales@tonmind.com
- Machine code: 052568-38830-929593-ID9M12 [Copy](#)
- Activation Status: Not active
- Expiration Date: 2022-01-28 13:52:28
- License key:

An 'Activate' button is located at the bottom of the window.

3. Installation Guide

3.1 Scan Device

Click scan device, all IP speakers connected to the Internet will show as follows, and you can name the IP speaker after enter device name.

Tonmind Audio Manager

Scan Device
 RTP Multicast
 Options

<input type="checkbox"/>	No.		Device Name	MAC	IP Address	Netmask	Gateway
<input type="checkbox"/>	1		CS20	a2:c0:a4:47:f3:9a	192.168.5.103	255.255.255.0	192.168.5.1
<input type="checkbox"/>	2		CS20	a2:c0:a4:73:ae:52	192.168.5.180	255.255.255.0	192.168.5.1
<input type="checkbox"/>	3		CS20	a2:c0:a4:06:71:07	192.168.5.200	255.255.255.0	192.168.5.1

3.1.1 SIP Setting

One device has two SIP accounts to register in IP PBX or other SIP server.

Scan Device
 RTP Multicast
 Options

<input type="checkbox"/>	No.		Device Name	MAC	IP Address	Netmask	Gateway	SIP Account	RTP Mu
<input type="checkbox"/>	1		CS20	a2:c0:a4:47:f3:9a	192.168.5.103	255.255.255.0	192.168.5.1	6001@192.168.5....	239.255
<input type="checkbox"/>	2		CS20	a2:c0:a4:73:ae:52	192.168.5.180	255.255.255.0	192.168.5.1		239.255
<input type="checkbox"/>	3		CS20	a2:c0:a4:06:71:07	192.168.5.200	255.255.255.0	192.168.5.1	6503@192.168.5....	239.255

Current Device : CS20

SIP Account 1		SIP Account 2	
User Name	<input type="text" value="6001"/>	User Name	<input type="text" value="6001"/>
Password	<input type="text" value="1234"/>	Password	<input type="text" value="test6001"/>
Display Name	<input type="text" value="6001"/>	Display Name	<input type="text"/>
Server Host	<input type="text" value="192.168.5.188"/>	Server Host	<input type="text" value="192.168.5.9"/>
Server Port	<input type="text" value="5060"/>	Server Port	<input type="text" value="5060"/>

3.1.2 RTP Multicast IP

There are 10 RTP addresses can be received for each device, please note that: 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 (√)

- Multicast address ranges: 224.0.0.0-239.255.255.
- Port range: 1500-6300.

The screenshot shows the 'RTP Multicast' configuration page in the Tonmind Audio Manager. At the top, there are navigation buttons: 'Scan Device', 'RTP Multicast', and 'Options'. Below this is a table with the following columns: No., Device Name, MAC, IP Address, Netmask, Gateway, SIP Account, and RTP Multicast IP. The 'RTP Multicast IP' column is highlighted with a red box. The table contains three rows of data for device CS20.

No.	Device Name	MAC	IP Address	Netmask	Gateway	SIP Account	RTP Multicast IP
1	CS20	a2:c0:a4:47:f3:9a	192.168.5.103	255.255.255.0	192.168.5.1	6001@192.168.5....	239.255.0.1:6000
2	CS20	a2:c0:a4:73:ae:52	192.168.5.180	255.255.255.0	192.168.5.1		239.255.0.1:5015
3	CS20	a2:c0:a4:06:71:07	192.168.5.200	255.255.255.0	192.168.5.1	6503@192.168.5....	239.255.0.1:5011

Below the table, the 'Current Device' is set to CS20. There are two columns of input fields for setting RTP Multicast IP addresses, numbered 1 through 10. The first three fields contain the values: 239.255.0.1:6000, 239.255.0.1:6002, and 239.255.0.1:6004. Below the input fields are two buttons: 'Set' and 'Set All'.

3.1.3 Firmware Version

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

- Click firmware version No..
- Down load the latest firmware version from our support website.
- Select the latest version firmware CS20-xxx-APP.bin.
- Click upgrade to refresh, it would require about 20s.

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Scan Device
 RTP Multicast
 Options

<input type="checkbox"/>	No.	ice No	MAC	P Address	Netmask	Gateway	3IP Account	RTP Multicast IP	Firmware Version
<input type="checkbox"/>	1	CS20	a2:c0:...	192.16...	255.255...	192.16...	6001@1...	239.255.0.1:6000	CS20-V2.8.5
<input type="checkbox"/>	2	CS20	a2:c0:...	192.16...	255.255...	192.16...		239.255.0.1:5015	CS20-V2.8.5
<input type="checkbox"/>	3	CS20	a2:c0:...	192.16...	255.255...	192.16...	6503@1...	239.255.0.1:5011	CS20-V2.8.5

Current Device : CS20

Firmware File

3.1.4 Volume

Setting output& input volume, it is able for one by one or bulk setting. Click  to locate the speakers. After set, click the to check the volume.

Tonmind Audio Manager

Scan Device
 RTP Multicast
 Options

<input type="checkbox"/>	No.	ice No	MAC	P Address	Netmask	Gateway	3IP Account	TP Multicast I	rmware Versio	Volume	System
<input type="checkbox"/>	1	CS20	a2:c0:...	192.16...	255.255...	192.16...	6001@1...	239.255.0....	CS20-V2.8.5	0,0	admin
<input type="checkbox"/>	2	CS20	a2:c0:...	192.16...	255.255...	192.16...		239.255.0....	CS20-V2.8.5	0,0	admin

Current Device : CS20

Input Volume : 0 

Output Volume : 0 

Amp Auto OFF :

3.1.5 System Restore

Account and password setting, IP speakers and device factory setting is account: admin and password: tm1234.

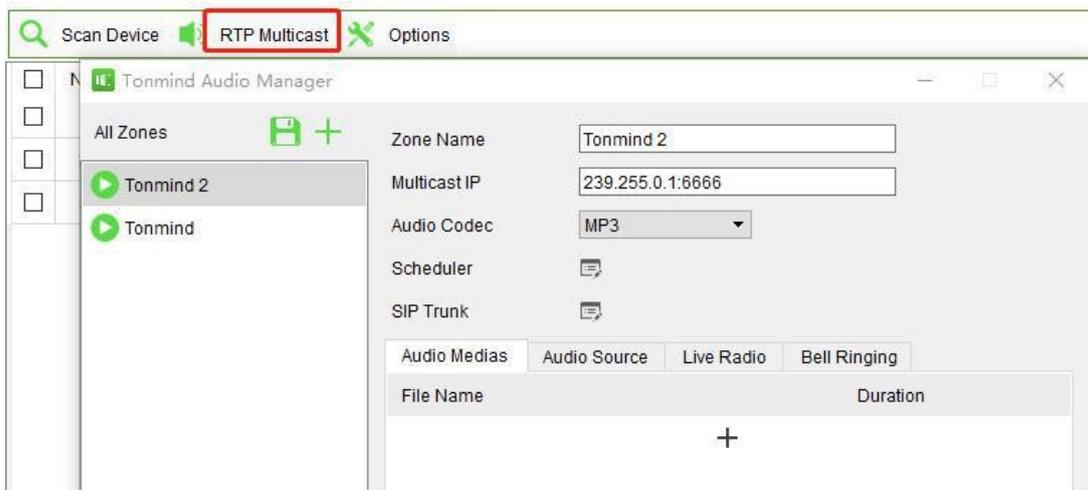
- Click  , it will return to factory setting.



3.2 System RTP Multicast

3.2.1 Zone Setting

Click RTP multicast for zones setting,  for adding zones and  for setting saving.

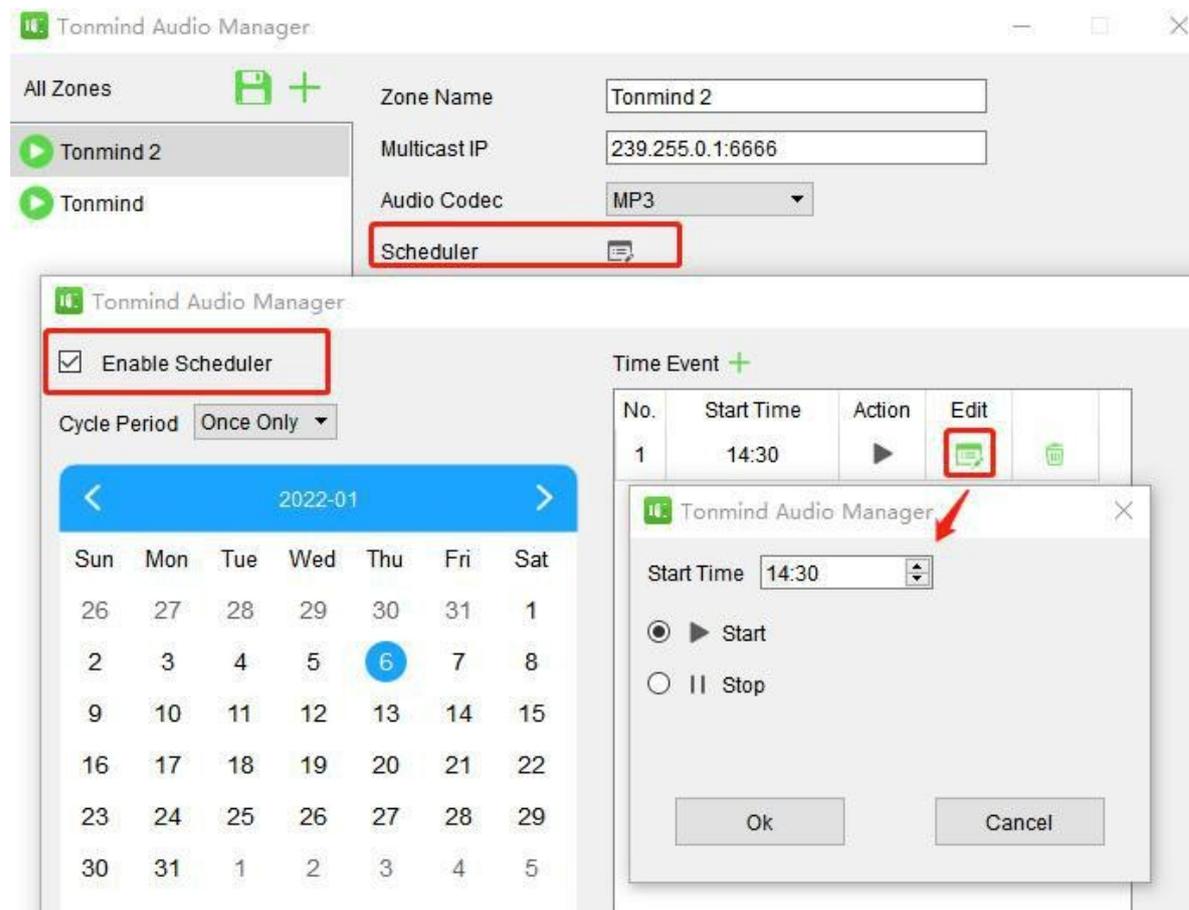


- Name: A name to identify the zone.

- 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.

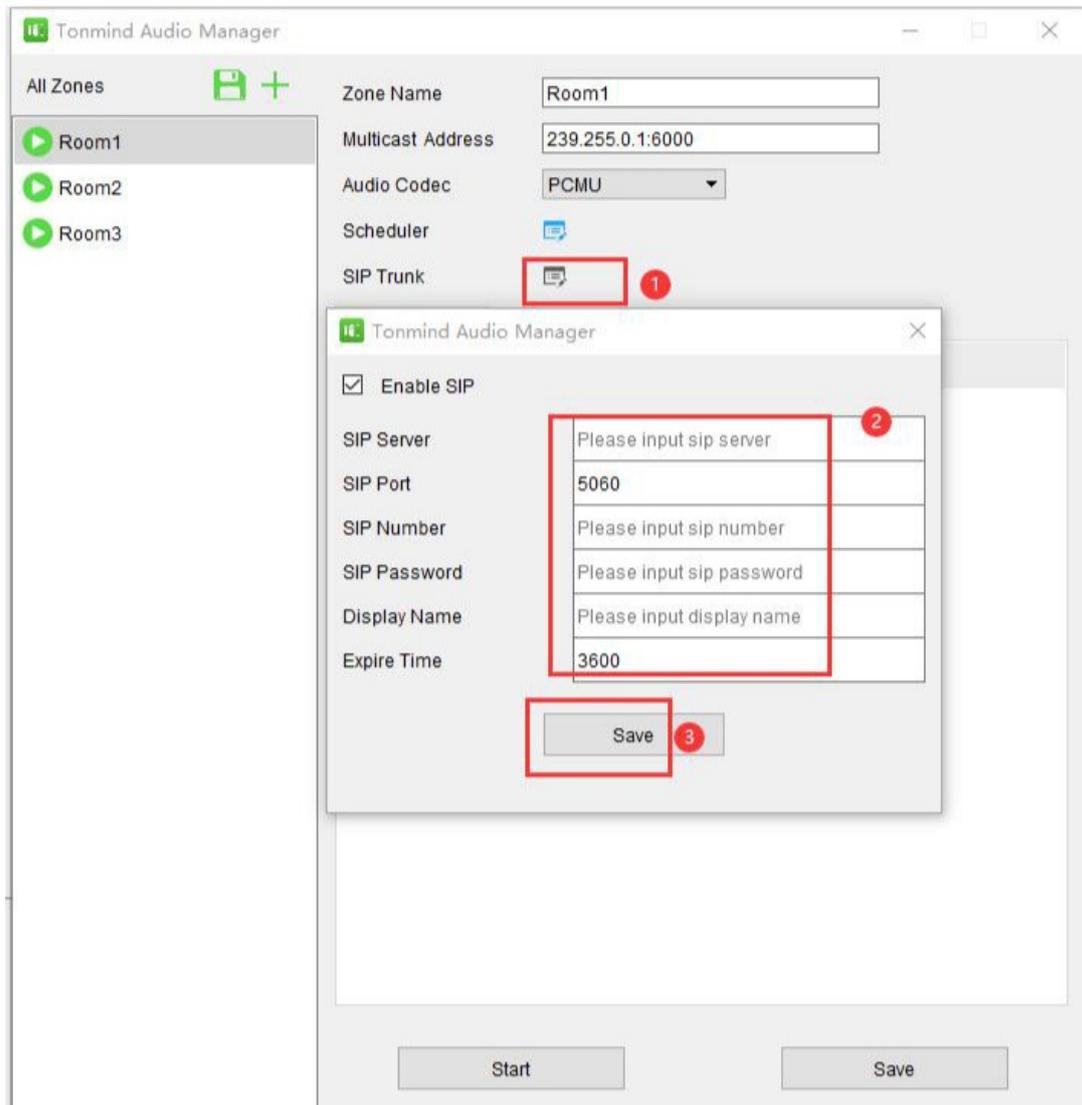
3.2.2 Schedule Setting

Click scheduler and choose enable scheduler for setting, there are four kind of cycle period to be once only, daily, weekly and monthly. For each time event, it is able for setting when to start or stop.



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.

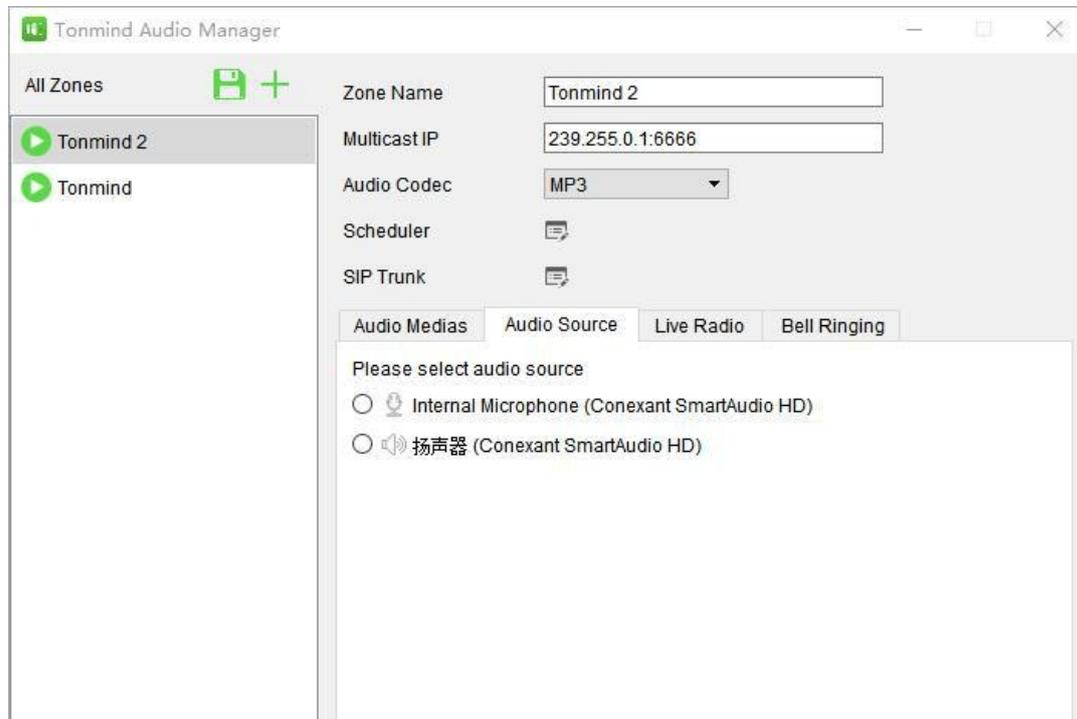


3.2.4 Audio Stream

Audio media: Local resources, you could add like MP3 docs 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.



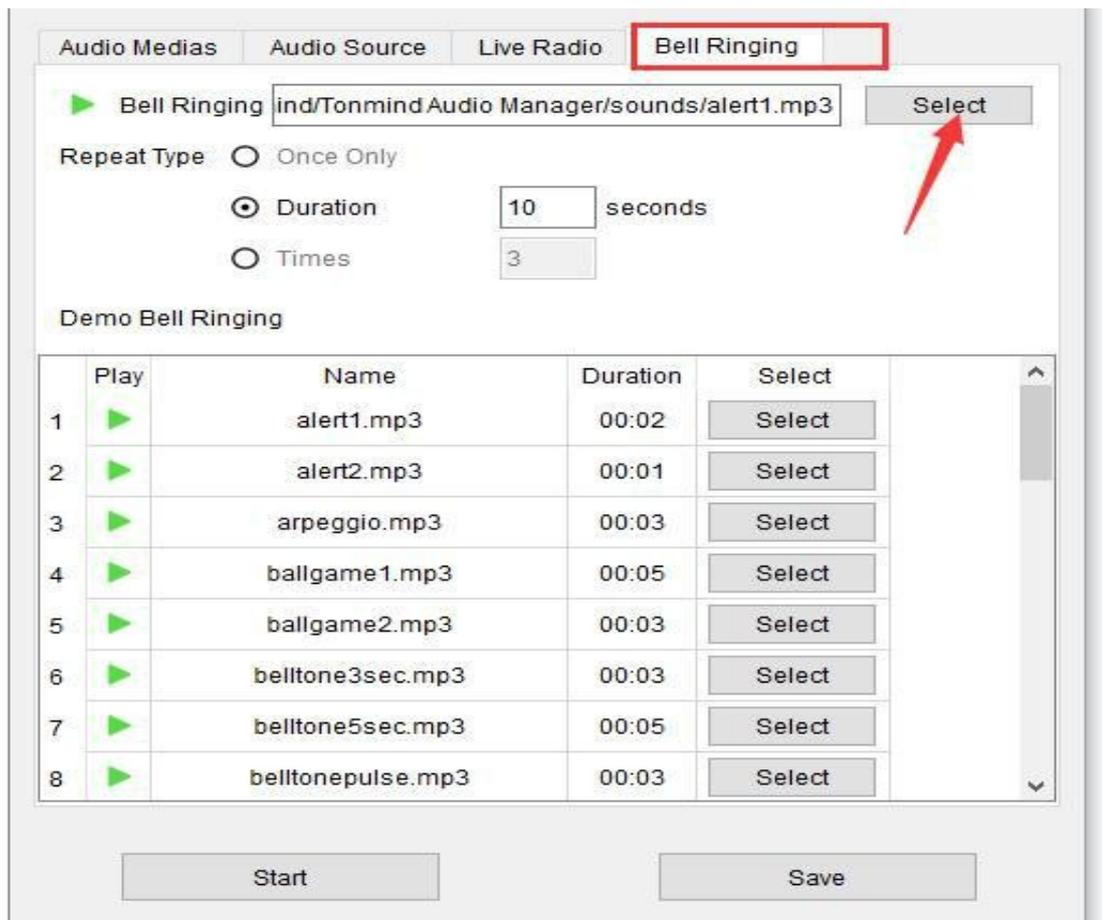
Live radio: put a live radio address and press start button, then the real-time radio is able to be played.



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

Repeat type:

- Once only: one time playing.
- Duration: unit seconds, for example if the audio is 2s and set 5s , so total is 2.5 cycle.
- Times: audio cycle times, for example if the audio is 2s and play 3 times, so total is 6s.



4. How to Get License Key

- Enter option-"about".
- Copy the machine code to us by e-mail to IP support or contact sales directly.
- We'll send a license key to you after receiving machine code, active it then license works.

