

# Tonmind IP Microphone User Manual



**Xiamen Tonmind Technologies Co., Ltd.**

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# 1. Overview

SIP-M20 IP microphone is IP based paging station, which has a built-in Android system, up to 8G flash storage. 8 SIP lines enable to make free phone calls at internal communication. WiFi available for more network mode capability. Built-in 5W speaker and microphone for hands free communication, announcement receiving and monitoring. It supports RTP multicast paging, point to point and zone paging. Download and upload files via FTP sever and USB disk. User friendly contact management. There are two audio in, one audio out to provide multi choices paging solutions. It supports real-time monitoring and speaking while playing music, which make it compatible with multiple demands for VoIP and security, public address system users.



## 2. Interface Specification



①	Volume Switch for microphone, range 1-100
②	Volume Switch for background music, range 1-100
③	Volume Switch for speaker, range 1-100
④	Power button for screen display
⑤	Built-in Microphone

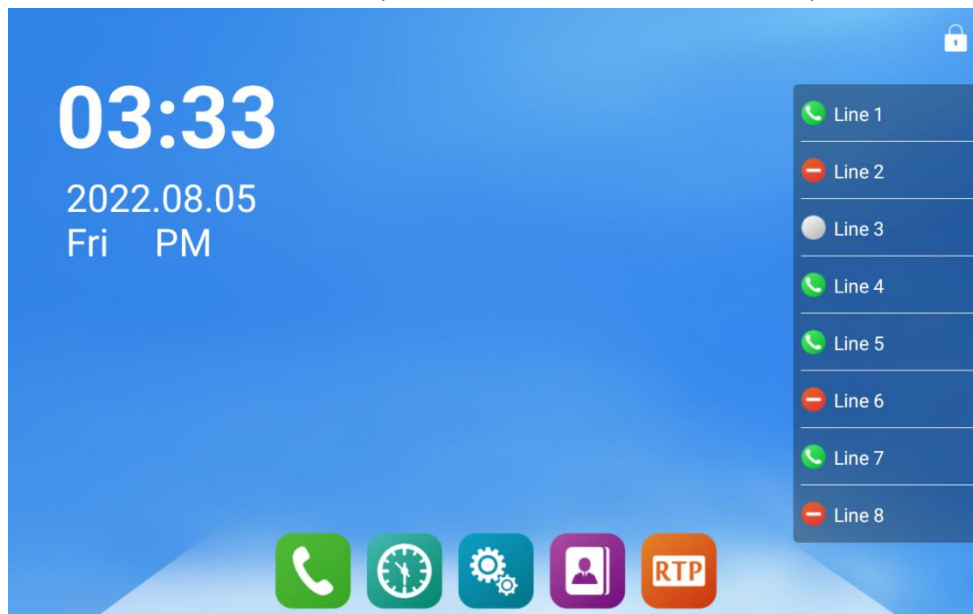


①	2 audio input and 1 audio output
②	WiFi antenna
③	Volume switch for audio output
④	2 GPIO in and 1 GPIO out(optional choice)
⑤	RJ45 network port
⑥	Reset system and firmware button
⑦	USB 2.0 interface
⑧	Interface for system upgrading
⑨	Power interface 12V/2A

## 3. Application and Setting

### 3.1 SIP Setting

There are 8 SIP lines on the right side of the screen, pick one line, write the SIP elements and select a status(available/ do not disturb/ offline) then save it.



< Back Save

SIP Line

Name

Server

Port

Username


Account

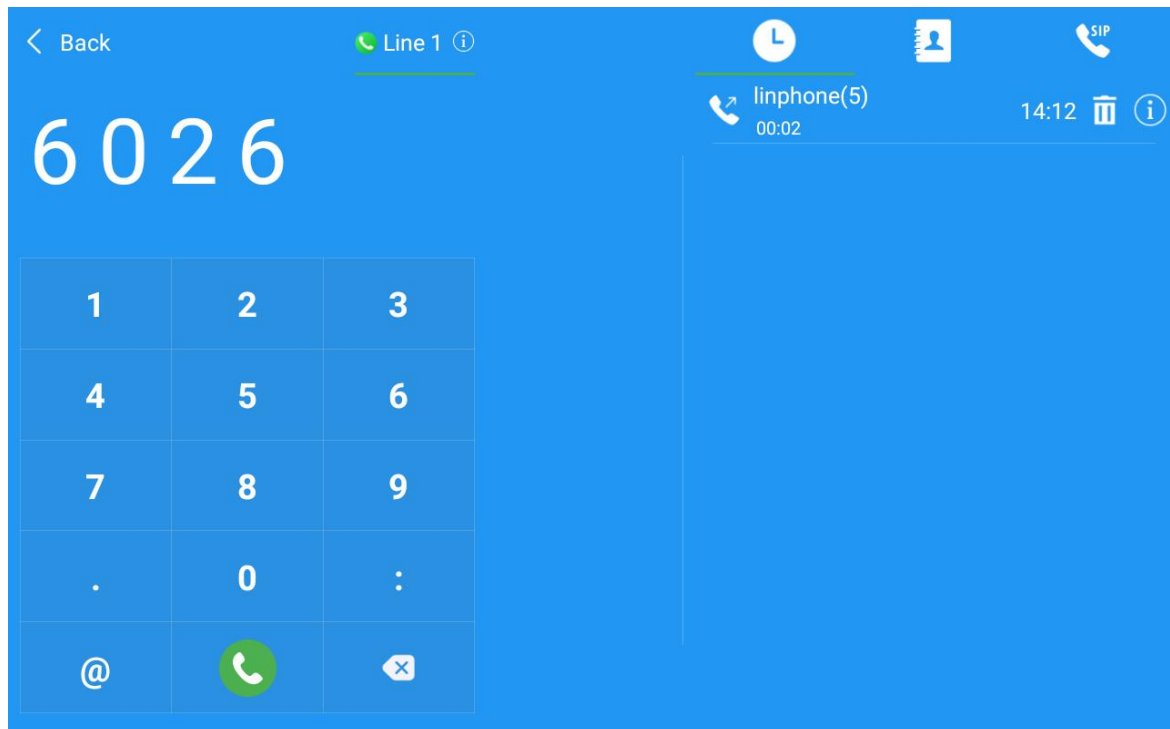
Password

Expire time

Status  Available  Do not Disturb  Offline

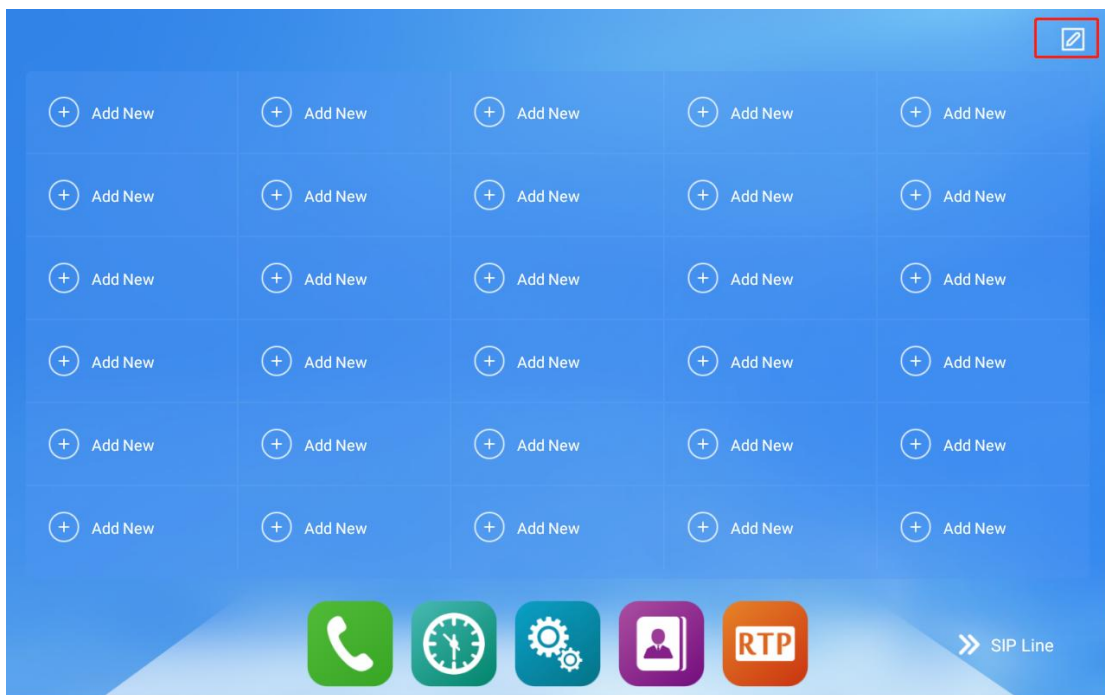
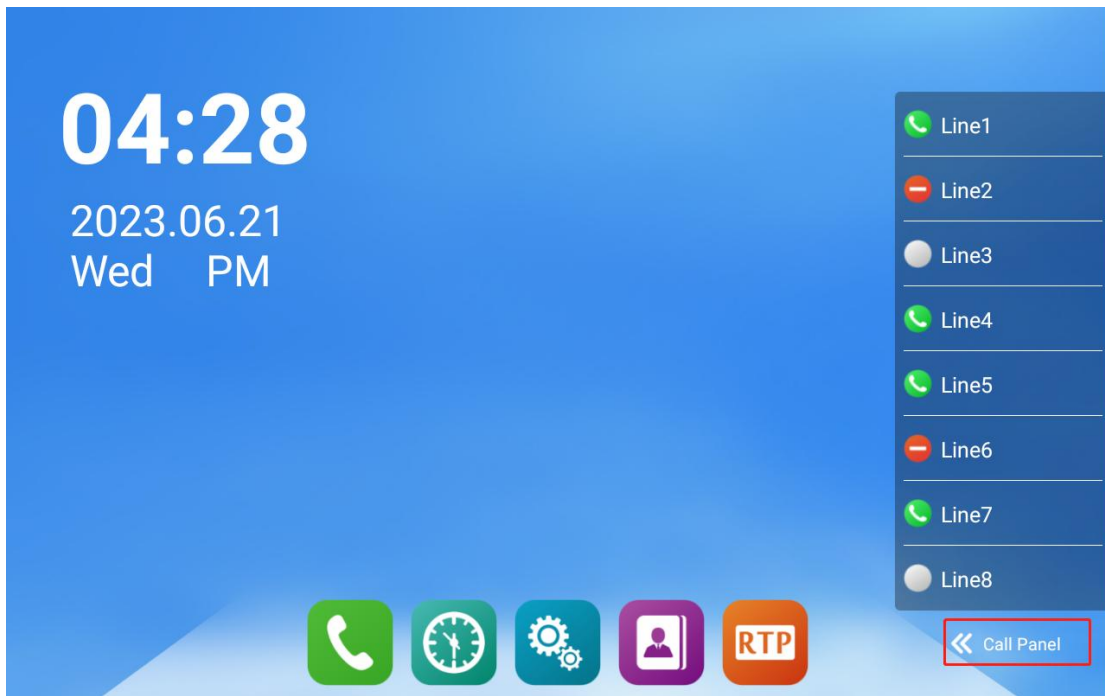
## 3.2 How to Make SIP Call

- ① Click  or pick a sip line,
- ② We can call a extension number eg. 6026,
- ③ Make a phone call by P2P eg. 1@192.168.5.200.

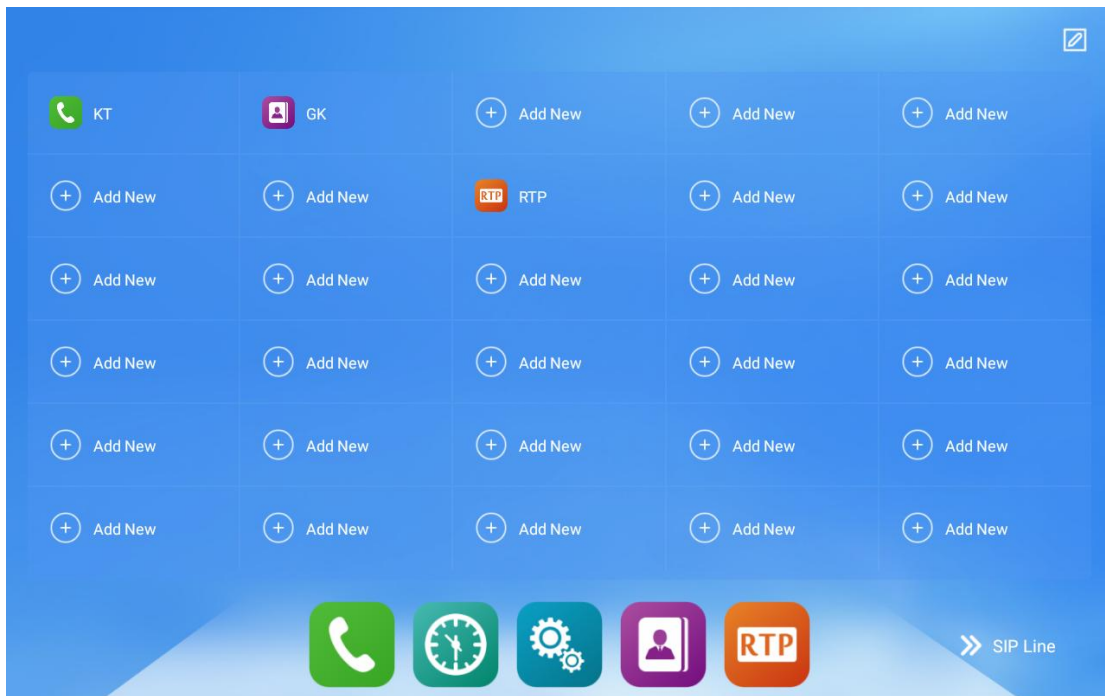


## 3.3 How to Set Fast Dial Key

1. Enter call panel,
2. Edit speed dial information,
3. There are three ways to set fast dial: name, contacts and RTP.







### 3.3.1 Set Fast Key by Name

We can save contact's name and SIP number, select a SIP lines, then we can see it directly on SIP panel page.

< Back
Delete Save

Type  Number  Contacts  RTP

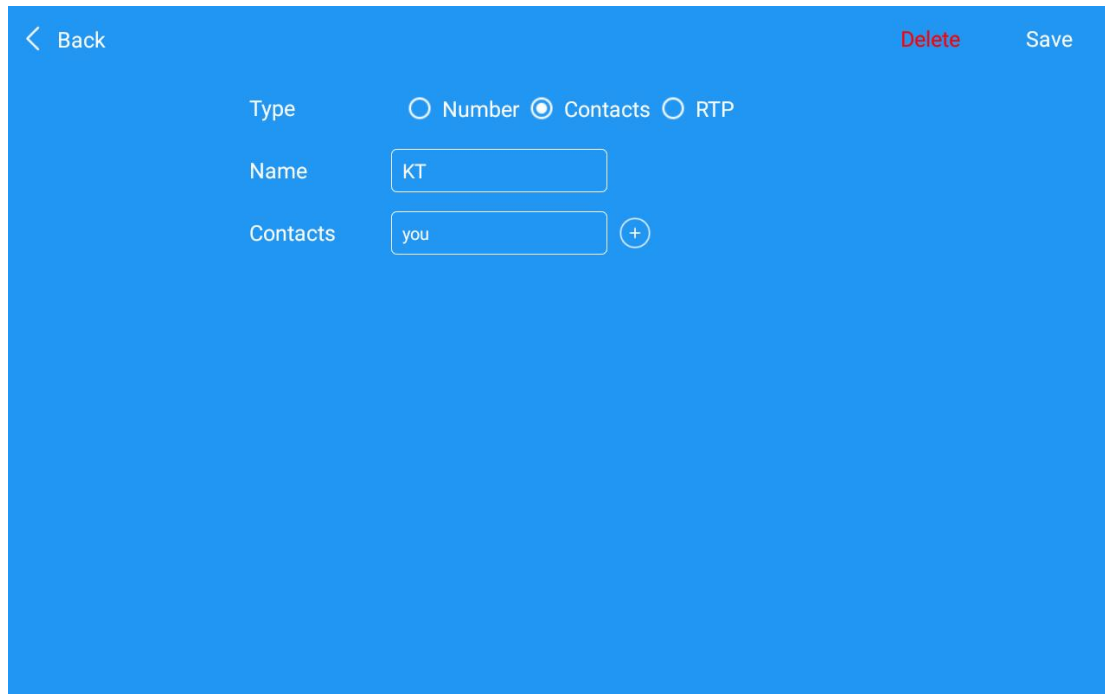
Name

Number

Channels

### 3.3.2 Set Fast Key by Contacts

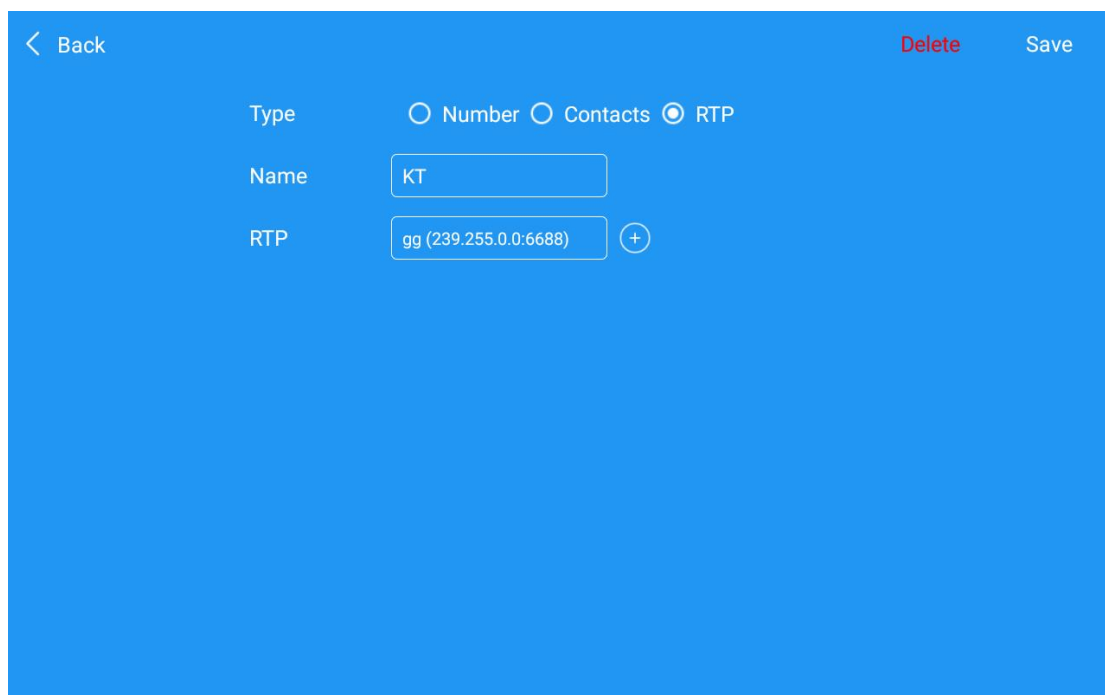
Save contactor's name and add contacts information here.



The screenshot shows a configuration screen with a blue background. At the top left is a back arrow and the text 'Back'. At the top right are the words 'Delete' and 'Save'. Below this, there are three radio buttons for 'Type': 'Number', 'Contacts' (which is selected), and 'RTP'. Underneath, there is a 'Name' field containing 'KT' and a 'Contacts' field containing 'you' with a plus sign icon to its right.

### 3.3.3 Set Fast Key by RTP

Use RTP as fast dial key and paging. click + and set RTP address and content.

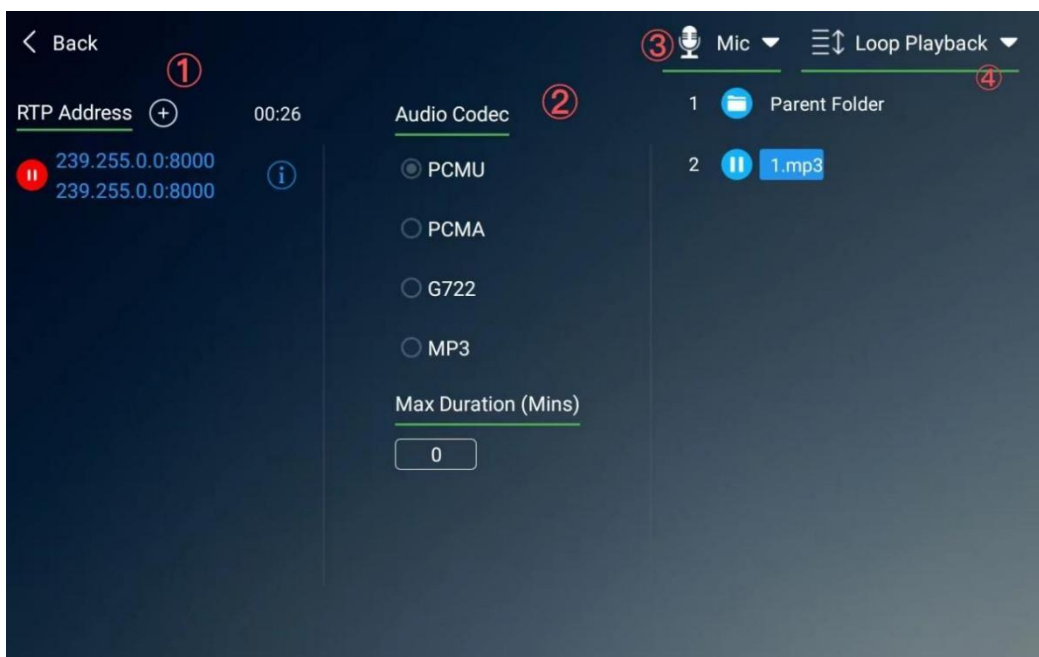


The screenshot shows a configuration screen with a blue background. At the top left is a back arrow and the text 'Back'. At the top right are the words 'Delete' and 'Save'. Below this, there are three radio buttons for 'Type': 'Number', 'Contacts', and 'RTP' (which is selected). Underneath, there is a 'Name' field containing 'KT' and an 'RTP' field containing 'gg (239.255.0.0:6688)' with a plus sign icon to its right.



### 3.4 RTP Multicast


- ① Add a RTP address,
- ② Select audio codec and duration time,
- ③ Choose paging source(mic/ media/ AUX in),
- ④ Select a paging mode.

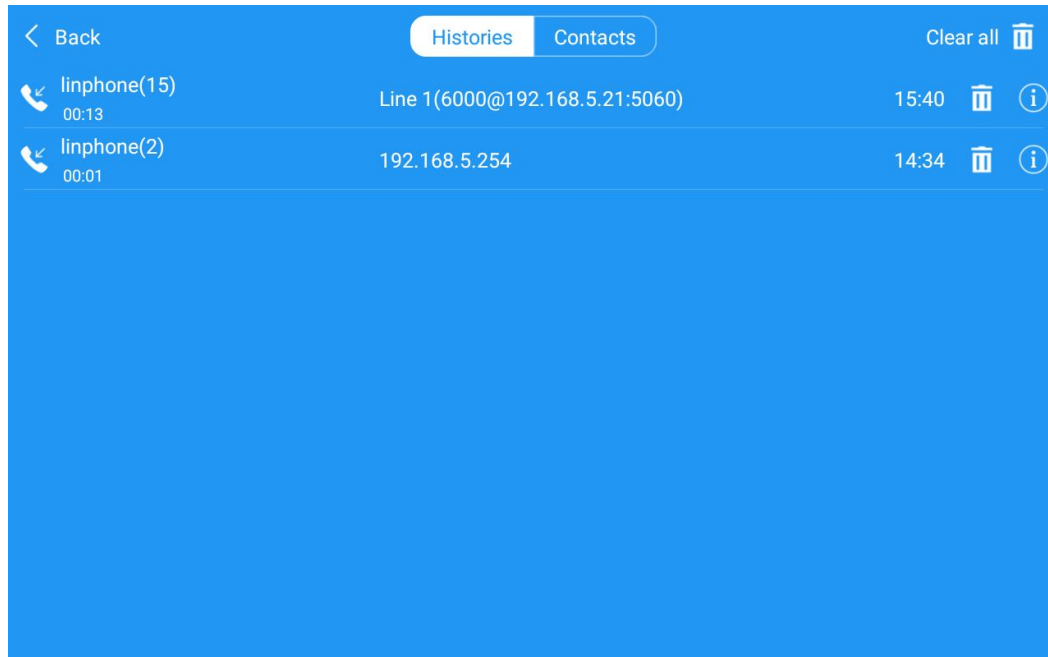


## 3.5 History and Contacts

### 3.5.1 How to Find Calling History

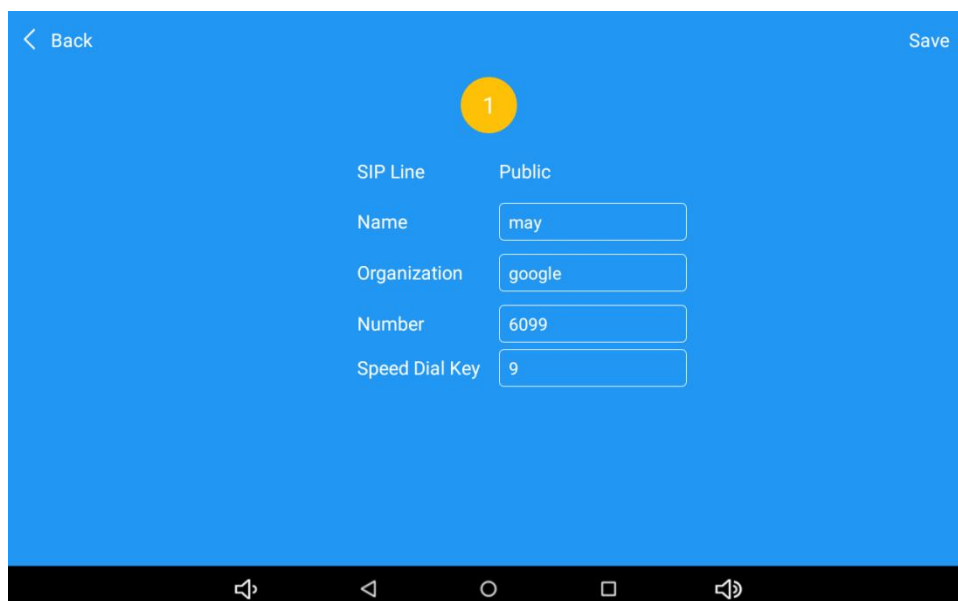


Click  and we can find calling history and add contact information.



### 3.5.2 How to Add Contacts' Information

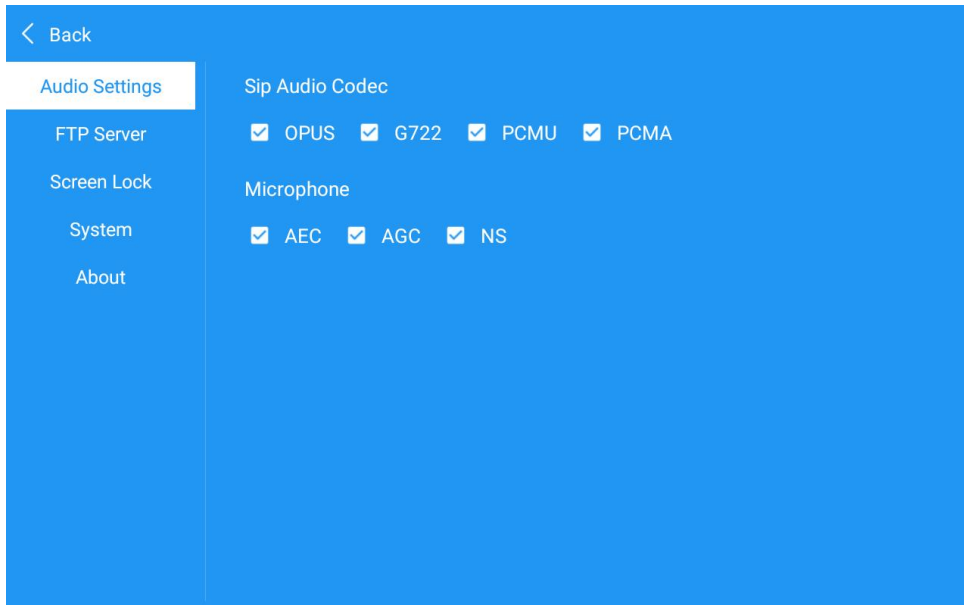
- ① Add a new contact,
- ② Setting the name, organization, numb and speed dial key,



### 3.5 System Setting

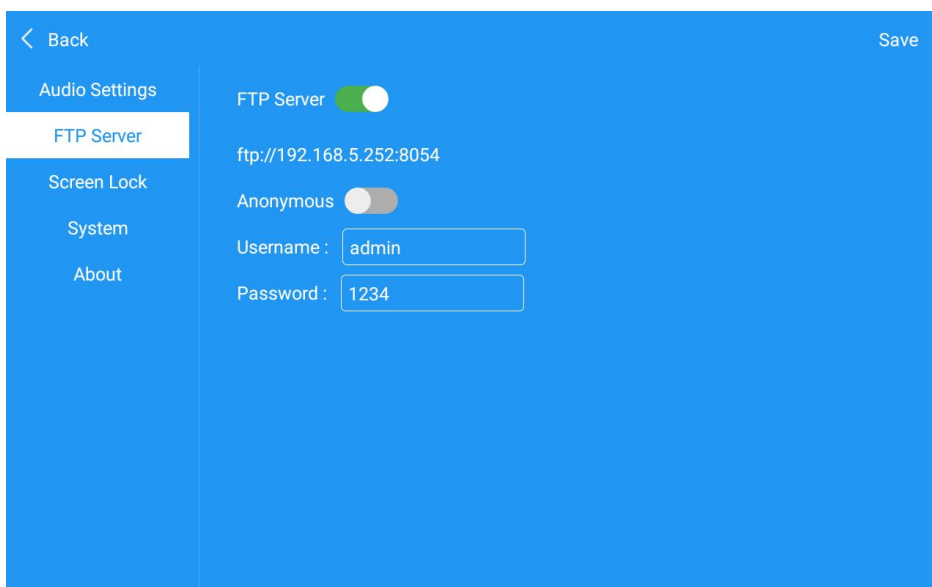
#### 3.6.1 Audio Setting

We can set sip audio codec and microphone as follows.



#### 3.6.2 How to Download Music Files

1. Upload music or any MP3 files to FTP sever: ftp://192.168.5.252:8054(it's a dynamic IP),
2. Use USB to download music
3. Upload files by FTP tool, like FileZilla.



### 3.6.3 Screen Lock Setting.

Turn on the screen lock and put the password you need then save it.

