

Unikey IP Microphone User Manual



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1. Overview

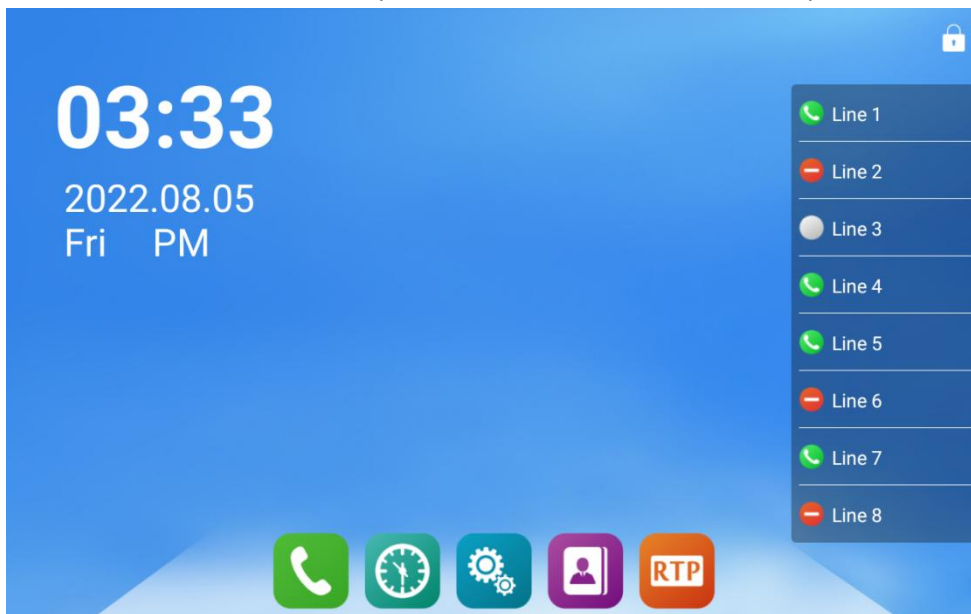
SIP-M20 IP microphone is IP based paging station, which has a built-in Android system, up to 8G flash storage. 8 SIP lines enable to make free phone calls at internal communication. WiFi available for more network mode capability. Built-in 5W speaker and microphone for hands free communication, announcement 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. Application and Setting

2.1 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.




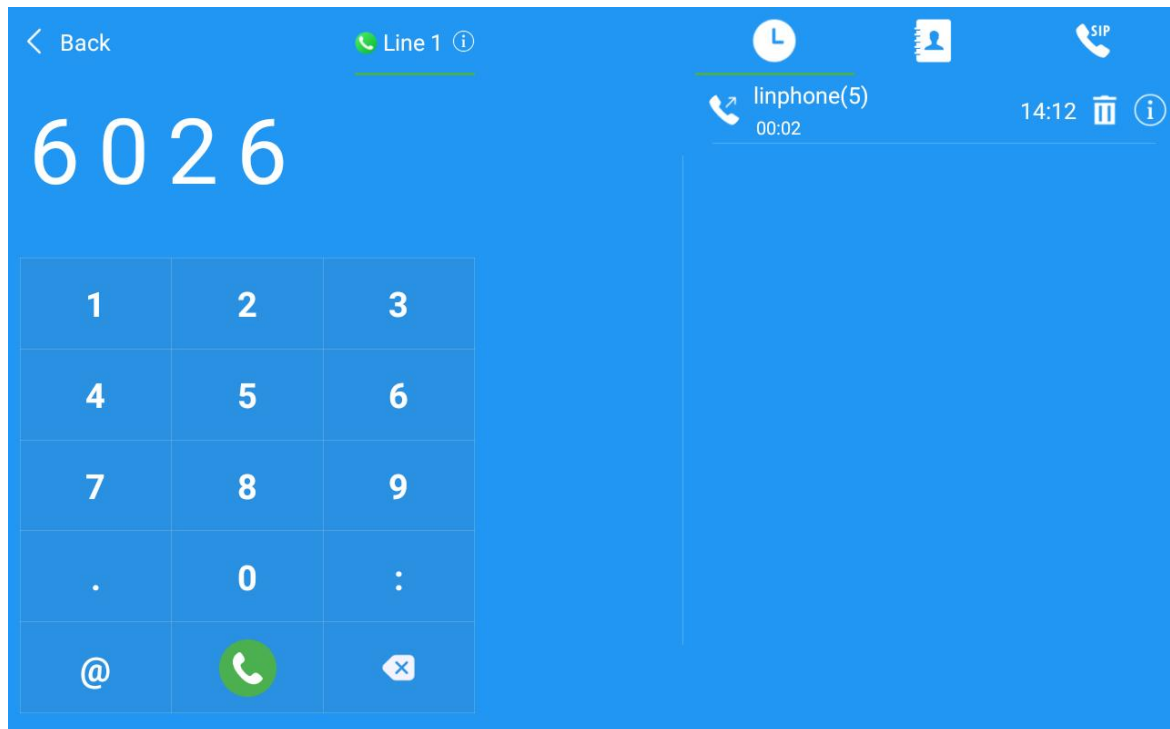
< Back Save

SIP Line

Name	Line 1
Server	192.168.5.21
Port	5060
Username	6000
Account	6000
Password	6000
Expire time	600
Status	<input checked="" type="radio"/> Available <input type="radio"/> Do not Disturb <input type="radio"/> Offline

2.2 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.



2.3 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.

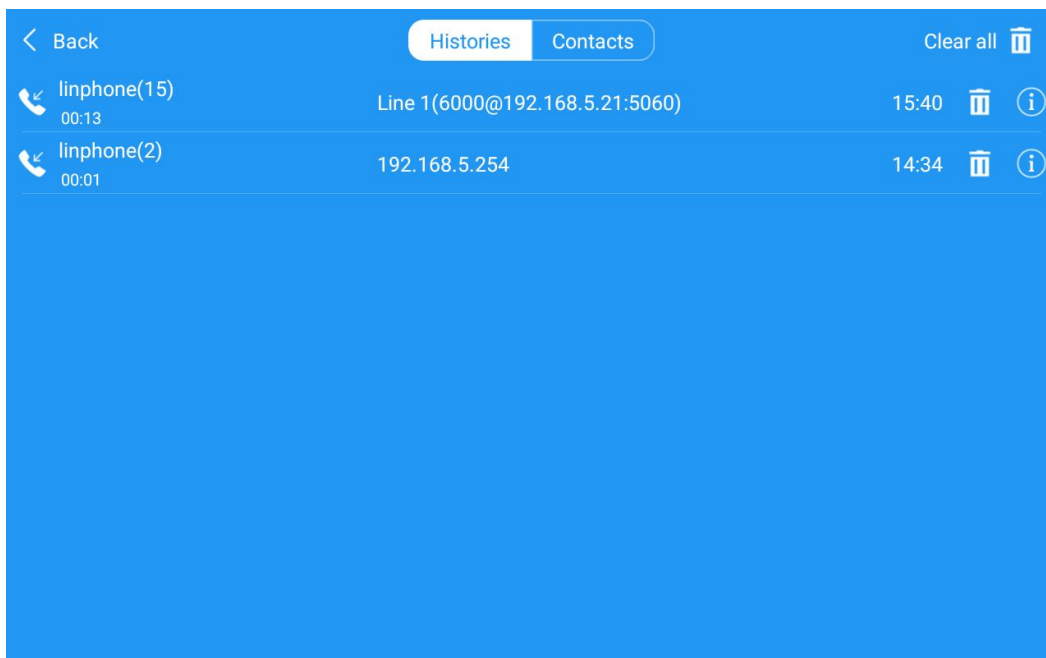


2.4 History and Contact

2.4.1 How to Find Calling History



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



2.42 How to Add Contacts' Information

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

Back Save

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SIP Line: Public

Name:

Organization:

Number:

Speed Dial Key:

2.5 System Setting

2.51 Audio Setting

We can set sip audio codec and microphone as follows.

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Audio Settings

FTP Server

Screen Lock

System

About

Sip Audio Codec

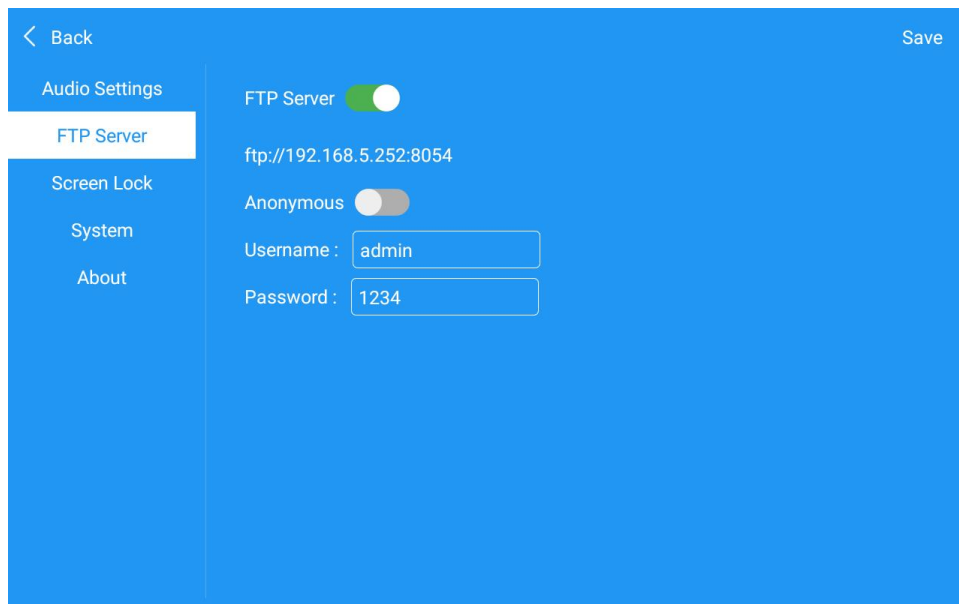
OPUS G722 PCMU PCMA

Microphone

AEC AGC NS

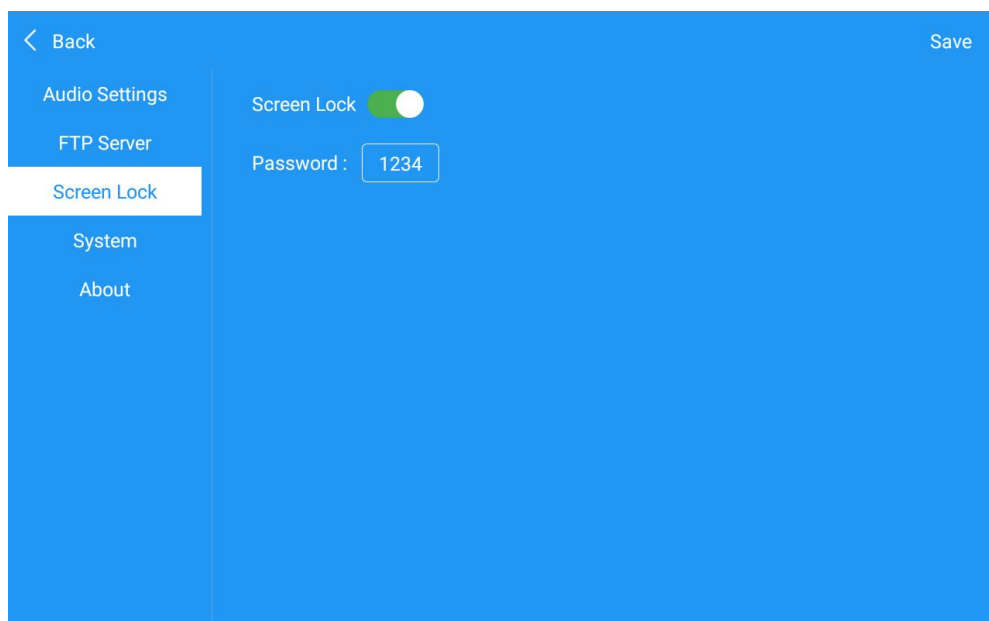
2.52 How to Download Music Files

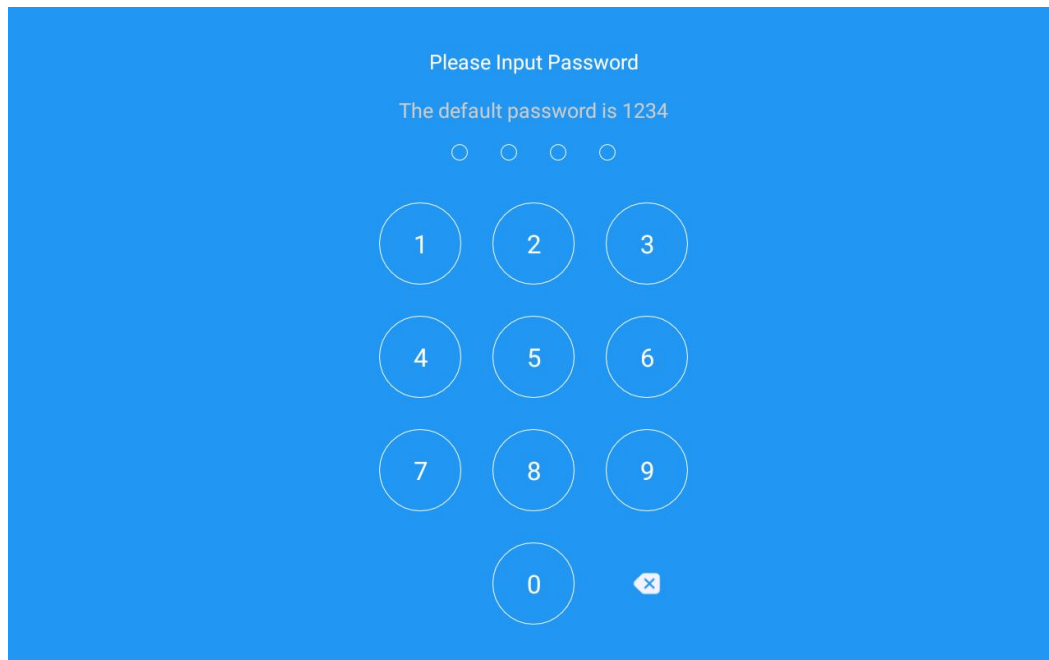
1. Upload music or any MP3 files to FTP sever: ftp://192.168.5.252:8054(it's a dynamic IP),
2. Use USB to download music
3. Upload files by FTP tool, like FileZilla.



2.53 Screen Lock Setting.

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





3. 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