

User Manual

for AR100 & AR120

Digital Telephone Recorder



Version1.2.1

Thank you for buying **LeCall** AR100/ AR120 standalone digital telephone recorder!

Kind Reminder: The Log Manager Lite software, Instructions and User Manual in PDF format are stored in the attached SD card. You can connect the device to a Windows PC via the included USB data cable to view the files and install the software on your PC. So that you can conveniently set up the device and manage the recording files on your PC. Of course, you can also set up and manage the recording files on the device if you wish.

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1. Introduction

1.1 Features

- ◆ Standalone: AR100/ AR120 is a standalone digital telephone recorder with replaceable SD card, it can record for more than 970 hours with the attached 16GB card(expandable to 32GB).
- ◆ Multi-Function recording: AR100/ AR120 is usually used to record phone calls. It can work with not only analog landline/ VoIP landline, but also digital phones, IP phones, fixed wireless phones/terminals, PABX. Also, It can work as a voice logger for meetings, lectures, interviews, etc., and as a telephone answering machine(AR120 ONLY).
- ◆ Multiple Recording Modes: It supports AUTO(voltage trigger)/ MANUAL/ TRIG(voice trigger) recording mode. Users can select proper mode according to requirements and conditions.
- ◆ Easy setting: Users can set up the device on the keypad directly. Also, users can connect the device to a Windows PC to set it via “Log Manager Lite” software conveniently.
- ◆ Playback and Manage Recording Files on the Device: With built-in microphone, speaker and blue backlit LCD screen, users can search, review, playback, delete and mark the recording files on the device.
- ◆ Playback and Manage Recording Files on Windows PC: While connected to Windows computer via the attached USB data cable, users can playback and manage recording files using the “Log Manager Lite” software on Windows PC. Users can export both normal recording audio files and records data sheet.
- ◆ Users can remove the SD card to playback and store the recording files on MAC/Windows computer directly.
- ◆ LOOP Recording: It will never stop recording because lack of storage.
- ◆ Recording Announcement: Users can record a customized recording announcement audio file to broadcast to both sides when start recording.

1.2 Contents

AR100/ AR120 unit ×1
1.0m USB Cable ×1 16GB SD card ×1
1.0m phone cable with RJ11 connectors ×1
0.5m phone cable with RJ9 connectors ×1
DC5V power adapter ×1 User Manual ×1

1.3 PC Requirement

Windows7/Vista/XP/2000 or above
Pentium 400 MHz CPU or above
1GB HDD space or above 256 MB RAM or above
USB port

1.4 Backup Batteries

3×AAA batteries(NOT Included)
Standby time: 5~7 hours Recording time: 2~3 hours

1.5 Appearance



NOTE: The above picture is AR120. AR100 do not have Answering Machine and Play Message buttons.





RJ9 Phone Base Jack
(Connect to the base of IP
phone/ Digital Phone/ FWP)

RJ9 Phone Handset Jack
(Connect to Phone Handset)

Recording Source Switch

Microphone(External)
(For Surroundings Recording,
can NOT be Used for Phone
Call Recording)

Earphone

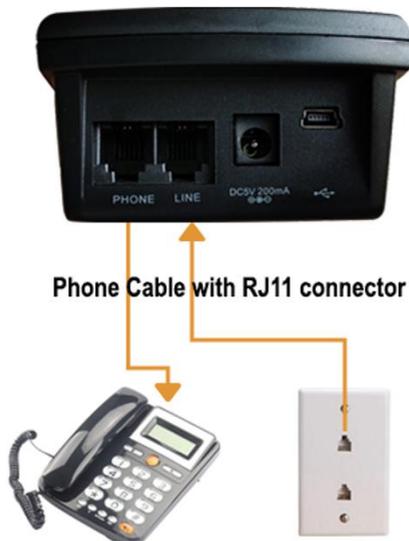


SD Card Slot
(Attached 16GB SD Card
Expandable to 32GB)

2. Installation

2.1 Analog Phone Installation

- Plug in the power cable or put in 3×AAA batteries, AR100/ AR120 will run automatically.
- Turn the SOURCE switch to PHONE side.
- Unplug your PSTN line/VoIP landline from the telephone and plug it into the LINE jack of AR100/ AR120.
- Connect the telephone line jack to the PHONE jack of AR100/ AR120, using the attached phone cable with RJ11 connectors.



ANALOG PHONE CONNECTION

2.2 Digital Phone/ IP Phone Installation

- Plug in the power cable or put in 3×AAA batteries, AR100/ AR120 will run automatically.
- Turn the SOURCE switch to PHONE side.
- Connect the handset jack of the phone base to  jack of AR100/ AR120, using the attached phone cable with RJ9 connectors.
- Connect the phone handset to  jack of AR100/ AR120, using the handset coil cord.



IP PHONE/DIGITAL PHONE CONNECTION

2.3 Microphone Recording Installation (For Surrounding Voice Recording)

- a. Plug in the power cable or put in 3×AAA batteries, AR100/ AR120 will run automatically.
- b. Turn the SOURCE switch to MIC side.
- c. If users want to use external microphone to record surrounding voice, plug the microphone into the microphone jack of AR100/ AR120.
- d. Users can also use the built-in microphone to record.

2.4 PBX Trunk Line Recording Installation

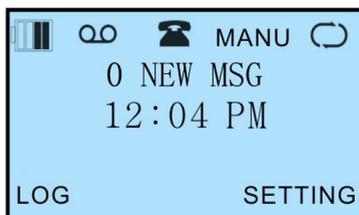
- a. Plug in the power cable or put in 3×AAA batteries, AR100/ AR120 will run automatically.
- b. Turn the SOURCE switch to PHONE side.
- c. Unplug the PSTN line from your PBX trunk line port and plug it into the LINE jack of AR100/ AR120.
- d. Connect your PBX trunk line port to the PHONE jack of AR100/ AR120, using the attached phone cable with RJ11 connectors.

2.5 PBX Extension Line Recording Installation

- a. Plug in the power cable or put in 3×AAA batteries, AR100/ AR120 will run automatically.
- b. Turn the SOURCE switch to PHONE side.
- c. Unplug the extension line from your telephone set and plug it into the LINE jack of AR100/ AR120.
- d. Connect your telephone set to the PHONE jack of AR100/ AR120, using the attached phone cable with RJ11 connectors.

3. Setting on the Device

3.1 Main Menu Description



: Remaining Battery capacity

: Recording display (Flash while recording)

: Phone recording mode

: Microphone recording mode

AUTO : Auto recording mode

MANU : Manual recording mode

TRIG : Voice Trigger mode

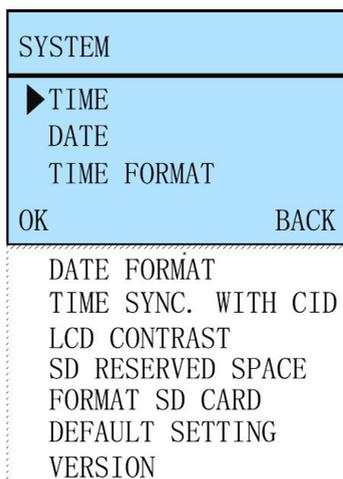
: Loop recording mode

10H : Recording time of remaining capacity Time : System Time

LOG: To enter the Recording Files Display page

SETTING: To enter the SETTING menu

3.2 SYSTEM Setting



TIME To set system time.

Operation: Press (OK) button to enter TIME setting. The hour number is blinking, press to adjust the number. Then press (NEXT) button, the minute number will blink, press to adjust the number. After setting the

right time, press  (OK) button to quit TIME setting.

DATE To set system date.

Operation: Press  (OK) button to enter DATE setting. The 2 digits of YEAR is blinking, press  to adjust the number. Then press  (NEXT) button to set the MONTH and DAY information.

TIME FORMAT To set system time display format.

Users can choose 12 HOURS or 24 HOURS(default) time format.

DATE FORMAT To set system date display format.

Users can choose YY/MM/DD(default), MM/DD/YY or DD/MM/YY date format.

TIME SYNC. WITH CID To enable or disable to synchronize the time and date information with FSK CID.

If you have enabled the synchronization function and the Caller ID format of your telephone line is FSK, it will auto synchronize the time and date information with the CID. Default: NO(disable)

NOTE: This is for analog phones with FSK CID only.

LCD CONTRAST To adjust the contrast of LCD display.

The setting range 1-6. The higher, the brighter. The default value is 4.

SD CARD RESERVE SPACE To set to retain some percentage of SD card capacity for system smooth running. Default: 10%

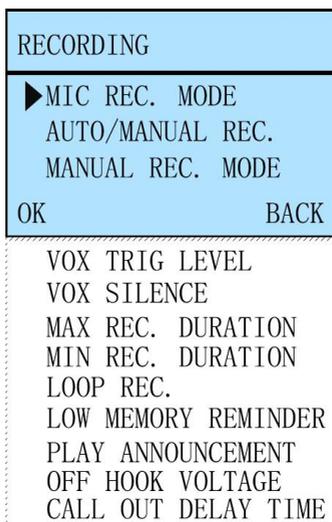
FORMAT SD CARD

NOTE: Format SD Card will remove all the recording files.

DEFAULT SETTING To reset the device to factory default setting.

VERSION To enquiry version and ID information of the device.

3.3 RECORDING Setting



Press  (SETTING) button to enter the SETTING menu. Select RECORDING in SETTING menu and press  (OK) button to enter

RECORDING settings. Press  to select subject and then press  (OK) button to confirm.

MIC REC. MODE It is for surrounding voice recording.

Users can select MANUAL or VOX(Voice Trigger). The default value is MANUAL.

a. MANUAL mode

Press  button to start recording, press  button to terminate recording.

b. VOX mode (Voice Trigger)

When voice level is higher than settings, it starts recording automatically. If the voice level is lower than settings, recording ends automatically.

AUTO/MANUAL REC. It is for phone call recording.

Users can set phone call recording mode according to the requirements and conditions.

a. MANUAL mode

Press  to start, press  to terminate.

b. AUTO mode (Voltage Trigger)

When the call is on talk(line voltage is lower than settings), it starts recording automatically.

c. TRIG mode (Voice Trigger)

When voice level is higher than settings, it starts recording automatically.

MANU REC.MODE It is further setting for phone call recording manually.

After setting MANUAL mode in AUTO/MANUAL REC., users can select HANDSET MODE or LINE MODE according to the connection type.

a. HANDSET MODE

When the device is connected to phone base and phone handset(digital phone/ IP phone connection), select HANDSET MODE.

b. LINE MODE

When the device is connected to phone line and telephone set(analog landline/ VoIP landline phone connection), select LINE MODE.

VOX TRIG LEVEL To adjust voice trigger level. This setting is working for both MIC REC. MODE>>VOX mode and AUTO/MANUAL REC.>>TRIG mode.

The setting range is 1-10. 1 is the most sensitive.The default value is 3. When voice level is higher than settings, it starts recording.

Operation: Select VOX TRIG LEVEL in RECORDING setting menu, press

 (OK) button to enter the setting, then press  to adjust the number and press  (OK) button to confirm and quit the setting.

VOX SILENCE To adjust silent time to terminate recording in voice trigger conditions. This setting is working for both MIC REC. MODE>>VOX mode and AUTO/MANUAL REC.>>TRIG mode.

The setting range is 5-99s. and the default value is 5s. If it has not detected voice within 5s, it will judge that the talk/call has been finished and end the recording.

Operation: Select VOX SILENCE in RECORDING setting menu, press 

(OK) button to enter the setting, then press  to adjust the time and press  (OK) button to confirm and quit the setting.

Max REC. DURATION To set maximum recording time for single call.

The setting range is 10 min ~ NO LIMIT and the default value is 2 HOURS.

Min REC. DURATION To set minimum recording time for single call.

The setting range is 5s ~ NO LIMIT and the default value is 5 SECONDS.

LOOP REC. To enable or disable LOOP recording. The default value is enable.

a. DELETE OLDEST(enable)

When the SD card capacity is insufficient, it will delete the oldest recording files automatically and keep recording.

b. STOP REC.(disable)

When the SD card capacity is insufficient, it will not record any more.

LOW MEMORY REMINDER It is a further setting when LOOP recording function has been disabled.

The remaining recordable time symbol on the LCD will blink when the storage capacity is lower than setting. The setting range is 5-99 hours. If users have enabled LOOP recording, no need to set LOW MEMORY REMINDER, and there will be no alert.

PLAY ANNOUNCEMENT To enable / disable to broadcast announcement audio to both sides.

The default value is NO(disable).

OFF HOOK VOLTAGE To adjust the OFF HOOK voltage. It is a further setting for AUTO/MANUAL REC.>>AUTO mode.

The system will start to record automatically when the line voltage is lower than setting. The setting range is 15~30(V) and the default value is 22V. If it can not start to record automatically in AUTO mode, you may try to adjust the voltage.

Operation: Select OFF HOOK VOLTAGE in RECORDING setting menu,

press  (OK) button to enter the setting, then press  to adjust the voltage and press  (OK) button to confirm and quit the setting.

CALL OUT DELAY TIME The device will start to record outgoing calls after the setting delay time.

The setting range is 0~20s, and the default value is 3s.

Operation: Select CALL OUT DELAY TIME in RECORDING setting menu,

press  (OK) button to enter the setting, then press  to adjust the delay time and press  (OK) button to confirm and quit the setting.

3.4 Typical RECORDING Setting

3.4.1 Record Surrounding Voice Manually

a. Select RECORDING in SETTING menu, press  (OK) button to enter RECORDING setting menu. Then select MIC REC. MODE and press  (OK) button, then select MANUAL and press  (OK) button to confirm and quit

the setting.

- b. Press  to start recording, press  to terminate recording.

3.4.2 Record Surrounding Voice by Voice Trigger

a. Select RECORDING in SETTING menu, press  (OK) button to enter RECORDING setting menu. Then select MIC REC. MODE and press  (OK) button, then select VOX and press  (OK) button to confirm and quit the setting.

b. Select VOX TRIG LEVEL in RECORDING setting menu, press  (OK) button to enter the setting. Press  to adjust the TRIG LEVEL number and then press  (OK) button to confirm and quit the setting. NOTE: The default TRIG LEVEL “3” works well in most cases. If it can not start to record frequently (need very loud voice to start to record), please try to adjust the LEVEL to be lower; if it starts to record too frequently or can not terminate the recording frequently, try to adjust the LEVEL to be higher.

c. Select VOX SILENCE in setting menu, press  (OK) button to enter the setting. Press  to adjust the VOX SILENCE time and then press  (OK) button to confirm and quit the setting. NOTE: The default VOX SILENCE time “5s” works well in most cases. If it terminates recording frequently, please try to adjust the time to be longer; if it terminates the recording too long time after the call finished, try to adjust the time to be shorter.

3.4.3 Record Analog Phone Calls Manually

a. Select RECORDING in SETTING menu, press  (OK) button to enter RECORDING setting menu. Then select AUTO/MANUAL REC. and press  (OK) button, then select MANUAL and press  (OK) button to confirm and quit the setting.

b. Select MANU REC. MODE in RECORDING setting menu and press  (OK) button to enter the setting. Then select LINE MODE and press  (OK) button to confirm and quit the setting.

- c. Press  to start recording, press  to terminate recording.

3.4.4 Record Analog Phone Calls Automatically(Voltage Trigger)

a. Select RECORDING in SETTING menu, press  (OK) button to enter RECORDING setting menu. Then select AUTO/MANUAL REC. and press  (OK) button, then select AUTO and press  (OK) button to confirm and quit the setting.

b. Select OFF HOOK VOLTAGE in RECORDING setting menu and press  (OK) button to enter the setting. Press  to adjust the VOLTAGE number and then press  (OK) button to confirm and quit the setting.

3.4.5 Record Digital / IP Phone Calls Manually

a. Select RECORDING in SETTING menu, press  (OK) button to enter RECORDING setting menu. Then select AUTO/MANUAL REC. and press  (OK) button, then select MANUAL and press  (OK) button to confirm and quit the setting.

- b. Select MANU REC. MODE in RECORDING setting menu and press  (OK) button to enter the setting.

(OK) button to enter the setting. Then select HANDSET MODE and press  (OK)

(OK) button to confirm and quit the setting.

- c. Press  to start recording, press  to terminate recording.

3.4.6 Record Digital / IP Phone Calls by Voice Trigger

a. Select RECORDING in SETTING menu, press  (OK) button to enter RECORDING setting menu. Then select AUTO/MANUAL REC. and press  (OK) button, then select TRIG and press  (OK) button to confirm and quit the setting.

b. Select VOX TRIG LEVEL in RECORDING setting menu, press  (OK) button to enter the setting. Press  to adjust the TRIG LEVEL number and then press  (OK) button to confirm and quit the setting. NOTE: The default TRIG LEVEL “3” works well in most cases. If it can not start to record frequently (need very loud talk to start to record), please try to adjust the LEVEL to be lower; if it starts to record too frequently or can not terminate the recording frequently, try to adjust the LEVEL to be higher.

c. Select VOX SILENCE in setting menu, press  (OK) button to enter the setting. Press  to adjust the VOX SILENCE time and then press  (OK) button to confirm and quit the setting. NOTE: The default VOX SILENCE time “5s” works well in most cases. If it terminates recording frequently, please try to adjust the time to be longer; if it terminates the recording too long time after the call finished, try to adjust the time to be shorter.

3.5 Recording Announcement Setting

NOTE: The recording announcement function can ONLY work when the device connected to analog landline/ VoIP landline. It can NOT work with digital phone/ IP phone. After setting properly, the announcement audio file will be broadcast to both sides when it starts to record.

3.5.1 Enable PLAY ANNOUNCEMENT function.

Select PLAY ANNOUNCEMENT in the SETTING>>>RECORDING menu, press  (OK) button to enter the setting. Then select YES and press  (OK) button to confirm and quit the setting.

3.5.2 Put the “announcement.wav” File into the Root Menu of the SD Card.

Users can record a wav format announcement audio file on computer and copy it to the root menu of the SD card. The file name MUST be “announcement.wav”.

To simplify the job, users might record a greeting on AR120 and change the file name to be “announcement.wav”.

Operation:

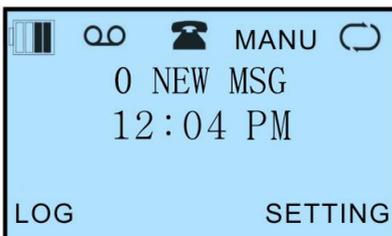
a. Record greeting file on AR120. Turn the SOURCE switch to MIC side. Select RECORD GREETING in ANSWERING MACHINE setting menu, press  (OK) button to start recording.

b. Connect AR120 to a computer via the data cable. Find the file “ansering.wav” in the root menu of the SD card and change the file name to be “announcement.wav”.

Flash Drive(F:) >

Name	Date modified	Type
202501	2025/1/22 12:30	File Folder
202502	2025/2/5 12:59	File Folder
announcement	2025/2/6 14:40	Wave Audio F
ansering	2025/2/7 11:39	Wave Audio F
beep1	2012/2/23 17:27	Wave Audio F
beep3	2012/2/23 17:27	Wave Audio F
CallIndex	2025/2/8 14:17	DAT File
CallLog	2025/2/8 14:17	DAT File

4. Manage Recording Files on the Device



Press  (LOG) button to enter the Recording Files Display page.

4.1 Recording Files Display Page Description



Users can see all the recording files in chronological order. Press  to browse more.

It displays Record Type, Date and Time, Recording Length, ◯◯ icon or no, Incoming or Outgoing Call Number or TRIG Recording, ▶ icon or no for each recording file.

Record Type

I=Incoming call O=Outgoing call N=MIC T=Voice Trigger
A=Answering machine

Date /Time

Display date and time of recording files

Recording Length

Display the length of recording files.

OO icon

The icon indicates recording files, no icon means LOG only.

Incoming /Outgoing Call Number /TRIG

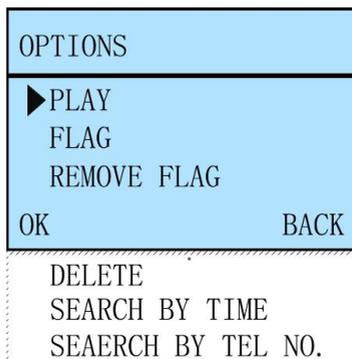
Display incoming or outgoing numbers or TRIG recording

▴ icon

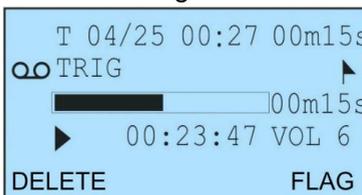
The icon indicates it has been marked as important recording file.

4.2 Manage Recording Files

Select one recording file and press  (OPT) button, users will see the operation OPTIONS. Users can PLAY, FLAG, REMOVE FLAG, DELETE the selected recording file and search recording files by time or by telephone number.



PLAY To playback the selected recording file.



Operation: Select the recording file that users want to play and select PLAY in OPTIONS menu, press  (OK) button, it will play the selected file automatically. Users can press  button to pause and press  button to continue play or replay. Keep pressing  button for fast forward. Press  (DELETE) button to delete the file or press  (FLAG) button to mark the file. Press  button to return to Recording Files Display page.

FLAG: To mark recording file as important.

Operation: Select the recording file that users want to mark and select PLAY in OPTIONS menu, press  (OK) button, the recording file will be marked .

REMOVE FLAG To remove the flag mark on the recording file.

Operation: Select the marked recording file and press  (OPT) button, then select REMOVE FLAG in the menu and press , the  mark of the file will be removed.

DELETE To delete the selected recording file or delete both the recording file and LOGs.

- a. DELETE OPTIONS: REC.: To delete recording files but keep the LOGs.
- b. DELETE OPTIONS: REC&LOG: To delete both recording files and LOGs.

4.3 Search Recording Files

Users can search recording files by TIME, by TEL NO. or by TYPE.

4.3.1 SEARCH BY TIME

To search the recording files by time.

Operation: In Recording Files Display page, press  (OPT) button, then select SEARCH BY TIME in the menu and press , users will see SELECT TIME page and the first 2 digits (YEAR) are blinking. Press  to adjust the number, then press , the next 2 digits (MONTH) will blink and press  to adjust the number. Do the same with DAY, HOUR, MINUTE, SECOND if necessary. Then press , it will display the recording files match the search time.

4.3.2 SEARCH BY TEL NO.

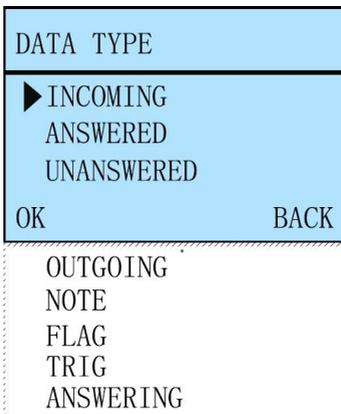
To search the recording files by incoming / outgoing numbers

Operation: In Recording Files Display page, press  (OPT) button, then select SEARCH BY TEL NO. in the menu and press , users will see KEY IN TEL NO. page and "0" is blinking. Press  to adjust the number. Then press , the second digit "0" will blink, press  to adjust the number. Do the same with the rest digits until you finished the telephone number and then press , it will display the recording files matched the TEL NO..

4.3.3 SEARCH BY TYPE



In the Recording Files Display page, press  (TYPE) button, users can search recording files by DATA TYPE. Select the type that users want to search and press  (OK) button, users can see all the recording files match the searching type. Then users can operate the search result. Press  button to go the Main Menu page.



All To search all records in SD card

INCOMING To search all incoming calls, including missed calls.

ANSWERED To search all answered calls.

UNANSWERED To search all missed calls.

OUTGOING To search all outgoing calls.

NOTE To search all recording files recorded by MIC.

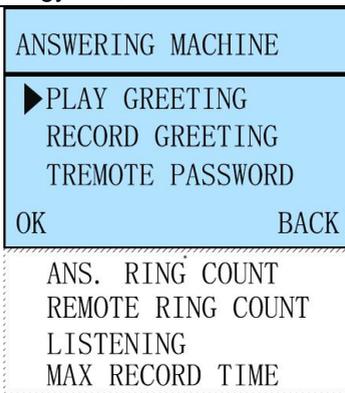
FLAG To search marked recording files.

TRIG To search voice triggered recording files.

5. Answering Machine(FOR AR120 ONLY)

The answering machine function works ONLY when AR120 is connected to a analog landline or VoIP landline. If AR120 is connected to a digital phone/ IP phone, it can not work.

5.1 Setting Answering Machine on AR120



▶PLAY GREETING To play the greeting file.

RECORD GREETING To record a greeting.

REMOTE PASSWORD To set password for remote access to the system.

The default password is 111.

Operation: Select REMOTE PASSWORD in ANSWERING MACHINE setting menu, press  (OK) button to enter the setting. The first digit of the

password will blink, press  to adjust the number. Then press  (NEXT)

button to set the next digit, press  to adjust the number. After setting all digits, press  (OK) button to confirm and quit the setting.

ANS. RING COUNT To set the number of rings before the device auto picks up.

Users can select INTELLIGENT or AFTER 2 to 7 RINGS. INTELLIGENT means that the answering system answers at the end of the 2nd ring when new messages, or at the end of the 4th ring when there are no new messages.

Operation: Select ANS. RING COUNT in ANSWERING MACHINE setting menu, press  (OK) button to enter the setting. press  (OK) button to

enter the setting. Press  to select and then press  (OK) button to confirm and quit the setting.

REMOTE RING COUNT

If the answering system is off, it can be enabled automatically by incoming calls. After the telephone ringing for the setting ring times, the answering system will auto play greeting to the caller. The setting range is 5-20 times. The default value is 15. Users might set it to 5 or 6 times. So if nobody answer the call, it will auto play greeting to the caller to leave a message.

Operation: Select REMOTE RING COUNT in ANSWERING MACHINE setting menu, press  (OK) button to enter the setting. press  (OK)

button to enter the setting. Press  to adjust the number and then press  (OK) button to confirm and quit the setting.

LISTENING

When this function is enabled, AR120 will broadcast the message synchronously when a caller is leaving message. And if users listen to the message remotely, AR120 will broadcast the message synchronously.

The default setting is YES(enable)

MAX RECORD TIME To set the maximum message recording time allotted to callers.

The option is 2 or 5 minutes. Users can also select ONLY ANS. DONT REC. to set the device to greet callers but not record messages.

5.2 Answering Machine Operation

5.2.1 Record Greeting File

Users can record a greeting on AR120 directly.

Operation:

a. Turn the SOURCE switch to MIC side.

b. Users can record the greeting file using the built-in microphone or plug an external microphone into the microphone jack of AR120 to record.

c. Select RECORD GREETING in ANSWERING MACHINE menu, press  (OK) button to start recording.

d. Select PLAY GREETING in ANSWERING MACHINE menu, press  (OK) button to play the greeting file and check whether it is ok. If not satisfy, record again.

Also, users can record a wav format greeting audio file on computer and copy it to the root menu of the SD card of AR120. The file name MUST be “ansering.wav”.

5.2.2 Enable and Disable Answering System on AR120

Press  button to enable the answering system, the red LED beside the button will light up. Press  button again to disable the answering system.

5.2.3 Disable Answering System Remotely

Use your cell phone to call the phone number connected to AR120, after hearing the greeting and BEEP sound, input remote access password(default:111) on your cell phone, and then input “0” and hang up. The answering system has been disabled.

5.2.4 Listen to Messages on AR120

The red LED beside the  button will light up if there are new messages.

Press  button to listen the 1st new message. Press  to listen the next one. If there's no new message, it will play the latest message. Press  (BACK) button to review all the messages.

5.2.5 Listen to Messages Remotely

Use your cell phone to call the phone number connected to AR120, after hearing the greeting and BEEP sound, input remote access password(default:111) on your cell phone, you will hear the 1st new message. Press 3 on your cell phone to listen the next one, and press 2 to listen the previous one.

5.2.6 Messages Management

Please refer to the section of Manage Recording Files. Users can PLAY, FLAG, REMOVE FLAG, DELETE the selected messages.

6. Setting and Manage Recording Files on Windows PC

Log Manager Lite software was developed to set up AR100/ AR120 digital telephone recorder and manage the recording files on Window PC. Users can set the parameters on the software and write them to AR100/ AR120 Device conveniently. With the software, user can easily search, playback, delete, mark/ remove mark, back up the recording files and export the recording files or data sheet on Windows PC.

Connect AR100/ AR120 to the USB port of your Windows PC with the attached USB data cable.

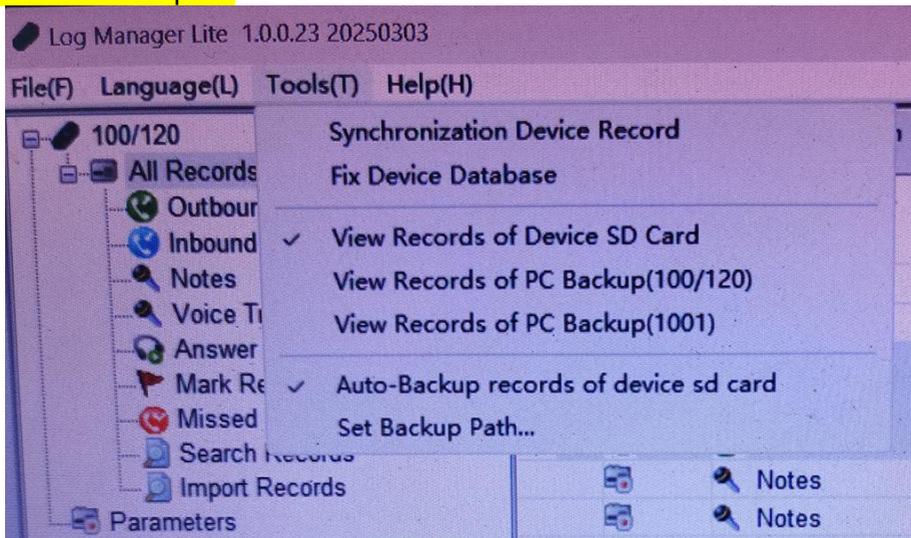
Download the Log Manager Lite software(linkage: [http://www.lecall.net/Log Manager Lite for AR120 & AR100 Digital Telephone Recorder\(Version 1.0.0.23\).zip](http://www.lecall.net/Log Manager Lite for AR120 & AR100 Digital Telephone Recorder(Version 1.0.0.23).zip))

Double-click the software, install it step by step following the prompts.

Double click the shortcut icon of Log Manager Lite  on your desktop to run the software.

NOTE: While being connected with computer, users can NOT operate on the device.

6.1 Tools Description



Synchronization Device Record

Click “Synchronization Device Record”, it will read recording files from the device. If users have select “Auto-Backup records of device sd card”, click “Synchronization Device Record”, a dialog box will pop up prompting users to back up the recording files.

Fix Device Database

Click it to fix driver for the database of the device.

View Records of Device SD Card

Click it to view recording files in the SD card of the device. Recording files in the SD card of the device are displayed as default.

View Records of PC Backup(100/120)

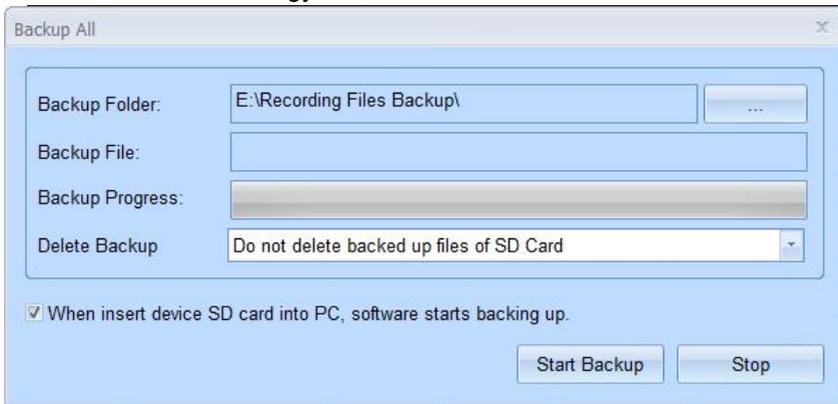
Click it to view audio files in the backup file folder of PC. It is for AR100 and AR120 use.

View Records of PC Backup(1001)

It is for another device model 1001. Please ignore it.

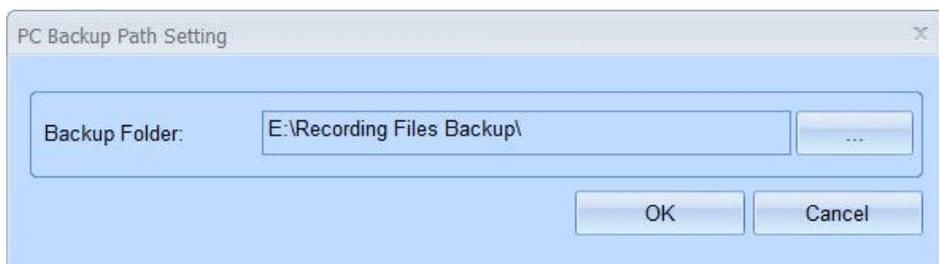
Auto-Backup records of device SD card

Click it to active the auto-backup function. When the device is connected to PC or when users click “Synchronization Device Record” in “Tools” menu, a dialog box will pop up prompting users to back up the recording files. Click it again to disable the function.



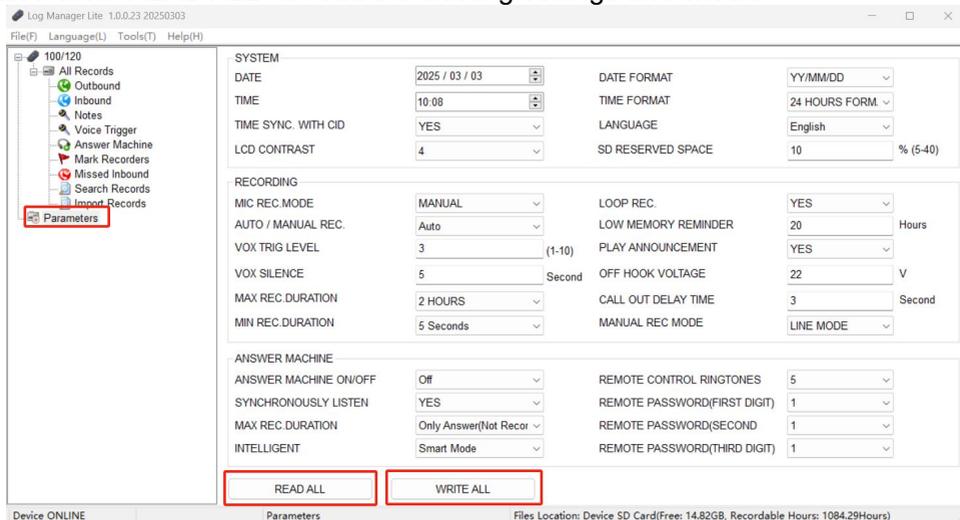
Set Backup Path

Click it to set the path for the backup file folder.



6.2 Parameters Setting

Click “Parameters” in the left Main Menu, users can see the parameters and set them easily. After setting the parameters according to requirements, click “WRITE ALL” icon, it will write the settings to AR100/ AR120 system. Users can also click “READ ALL” to read the existing settings and check.



6.2.1 SYSTEM Setting

DATE To set system date

Click the 4 digits of year, it will turn to blue background, input the right number. Then click the 2 digits of month and day, input the number separately when background turns to blue.

TIME To set system time

Click the 2 digits of hour, it will turn to blue background, input the right number. Then click the 2 digits of minute, input the number when background turns to blue.

TIME SYNC. WITH CID To enable or disable to synchronize the time and date information with FSK CID.

If you have enabled the synchronization function and the Caller ID format of your telephone line is FSK, it will auto synchronize the time and date information with the CID.

NOTE: It can only work when the device is connected to an analog landline or VoIP landline with FSK CID.

LCD CONTRAST To adjust the contrast of LCD display.

The setting range 1-6. The higher, the brighter. The default value is 4.

DATE FORMAT To set system date display format.

TIME FORMAT To set system time display format.

LANGUAGE To set the language to be ENGLISH.

SD RESERVED SPACE To set to retain some percentage of SD card capacity for system smooth running. Default: 10%

6.2.2 RECORDING Setting

MIC REC. MODE It is for surrounding voice recording.

Users can select MANUAL or VOX(voice trigger). The default value is MANUAL.

a. MANUAL

Press  button to start recording, press  button to terminate recording.

b. VOX(Voice Trigger)

When voice level is higher than settings, it starts recording automatically. If the voice level is lower than settings, recording ends automatically.

AUTO/MANUAL REC. It is for phone call recording.

Users can set phone call recording mode according to the requirements and conditions.

a. MANUAL

Press  to start, press  to terminate.

b. Auto(Voltage Trigger) It is for analog landline/ VoIP landline call recording.

When the call is on talk(line voltage is lower than settings), it starts recording automatically.

c. TRIG(voice trigger) It is for digital phone/ IP phone call recording.

When the voice level is higher than settings, it starts recording automatically.

VOX TRIG LEVEL To adjust voice trigger level. This setting is working for

both MIC REC. MODE>>VOX mode and AUTO/MANUAL REC.>>TRIG mode.

The setting range is 1-10. 1 is the most sensitive. The default value is 3. When the voice level is higher than settings, it starts recording.

VOX SELIENCE To adjust silent time to terminate recording in voice trigger conditions.

This setting is working for both MIC REC. MODE>>VOX mode and AUTO/MANUAL REC.>>TRIG mode. The setting range is 5-99s. and the default value is 5s. If it has not detected voice within 5s, it will judge that the talk/call has been finished and end the recording.

MAX REC. DURATION To set maximum recording time for single call.

The setting range is 10 min ~ NO LIMIT and the default value is 2 HOURS.

MIN REC. DURATION To set minimum recording time for single call.

The setting range is 5s ~ NO LIMIT and the default value is 5 SECONDS.

LOOP REC. To enable or disable LOOP recording.

The default value is enable.

a. YES(enable) When the SD card capacity is insufficient, it will delete the oldest recording files automatically and keep recording.

b. NO(disable) When the SD card capacity is insufficient, it will not record any more.

LOW MEMORY REMINDER It is a further setting when LOOP recording function has been disabled.

The remaining recordable time symbol on the LCD will blink when the storage capacity is lower than setting. The setting range is 5-99 hours. If users have enabled LOOP recording, no need to set LOW MEMORY REMINDER, and there will be no alert.

PLAY ANNOUNCEMENT To enable/ disable to broadcast announcement file to both sides.

Recording announcement function can work ONLY when the device is connected to an analog landline or VoIP landline.

OFF HOOK VOLTAGE To adjust the OFF HOOK voltage.

It is a further setting for AUTO/MANUAL REC.>>Auto mode. The system will start to record automatically when the line voltage is lower than setting. The setting range is 15~30(V) and the default value is 22V. If it can not start to record automatically in Auto mode, you may try to adjust the voltage.

CALL OUT DELAY TIME The device will start to record outgoing calls after the setting delay time. The setting range is 0~20s, and the default value is 3s.

MANUAL REC. MODE It is further setting for phone call recording manually.

After setting MANUAL mode in AUTO/MANUAL REC., users can select LINE MODE or HANDSET MODE according to the connection type.

a. HANDSET MODE When the device is connected to phone base and phone handset(digital phone/ IP phone connection), select "HANDSET MODE".

b. LINE MODE When the device is connected to phone line and telephone set(analog landline/ VoIP landline phone connection), select "LINE MODE".

6.2.3 ANSWERING MACHINE Setting(FOR AR120 ONLY)

ANSWERING MACHINE ON/OFF To enable/ disable answering machine system.

SYNCHRONOUSLY LISTEN When this function is enabled, AR120 will broadcast the message synchronously when a caller is leaving message. And if users listen to the message remotely, AR120 will broadcast the message synchronously.

MAX REC. DURATION To set the maximum message recording time allotted to callers.

ANSWER MACHINE RINGTONES To set the number of rings before the device auto picks up.

Users can select “Smart Mode” or after 2 to 7 RINGS. “Smart mode” means that the answering system answers at the end of the 2nd ring when there are new messages, or at the end of the 4th ring when there are no new messages.

REMOTE CONTROL RINGTONES If the answering system is off, it can be enabled automatically by incoming calls. After the telephone ringing for the setting ring times, the answering system will auto play greeting to the caller. The setting range is 5-20 times. The default value is 15. Users might set it to 5 or 6 times. So if nobody answer the call, it will auto play greeting to the caller to leave a message.

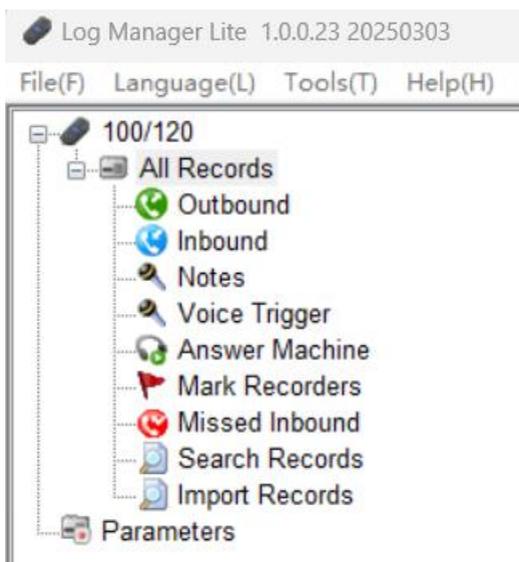
REMOTE PASSWORD(FIRST DIGIT) To set password for remote access to the system. The default password is 111.

REMOTE PASSWORD(SECOND DIGIT)

REMOTE PASSWORD(THIRD DIGIT)

6.3 Manage Recording Files on Windows PC

6.3.1 Records Type Description



All Records

Click it , users can view all types of recording files.

Outbound

Click it to view the outgoing call recording files. It is for outgoing calls of analog landline/ VoIP landline ONLY.

Inbound

Click it to view the incoming call recording files. It is for incoming calls of analog landline/ VoIP landline ONLY.

Notes

Click it to view surrounding voice recording files that recorded by microphone.

Voice Trigger

Click it to view voice trigger recording files. It is for digital phone/ IP phone call recording. **NOTE:** There are no phone numbers with this type of call recording.

Answer Machine

Click it to view answering machine messages.

Mark Recorders

Click it to view the recording files marked(FLAG) on the device or on the software.

Missed Inbound

Click it to view the missed incoming calls information.

Search Records

Click it to search recording files. Select search terms and click “search”, it will display the searched recording files.

Import Records

Click it to import audio files.

6.3.2 Recording Files Management

Users can playback/ delete/ mark/ remove mark the recording files, search recording files by terms, export normal audio files or data sheet of the records, email the recording files to Outlook contacts conveniently.

Flag	Rec	Type	Date	Phone N...	Talk Durati...	Record D...	File Path
		Outbound	2025/1/25 17:30:14	801	00:00:17	00:00:13	H:\202501\25\20250125173014-O-801.wav
		Outbound	2025/1/25 17:17:38	801	00:00:22	00:00:17	H:\202501\25\20250125171738-O-801.wav
		Outbound	2025/2/6 13:45:56	801	00:00:26	00:00:20	H:\202502\06\20250206134556-O-801.wav
		Inbound	2025/2/6 13:44:16	801	00:00:16	00:00:16	H:\202502\06\20250206134416-I-801.wav
		Outbound	2025/2/6 13:45:23	801	00:00:25	00:00:19	H:\202502\06\20250206134523-O-801.wav
		Missed	2025/2/7 11:22:00	1	00:00:00	00:00:00	H:\
		Answer Machine	2025/2/7 11:42:48		00:00:18	00:00:09	H:\202502\07\20250207114248-I-.wav
		Answer Machine	2025/2/7 11:50:05		00:00:21	00:00:12	H:\202502\07\20250207115005-I-.wav

Play

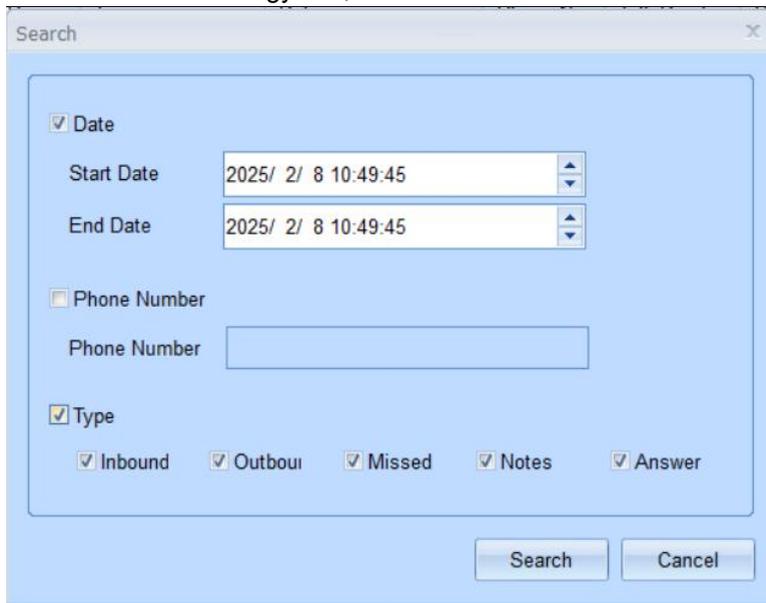
Select a recording file, click “play” or double-click the file to playback.

Delete

Click to select a single file or select more files by click+ shift or ctrl, then click “Delete”, the selected files will be deleted.

Search

Click it to search recording files.

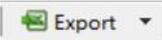


Select search terms and click “Search”, it will display the searched recording files.

Mark and remove mark

Click to select a single file or select more files by click+ shift or ctrl, then click “ Mark”, the  icon will displayed in the “Flag” column of the file. click “ Mark” again to remove the mark. Users can also click the “Flag” column of the selected file to mark or remove mark.

Export

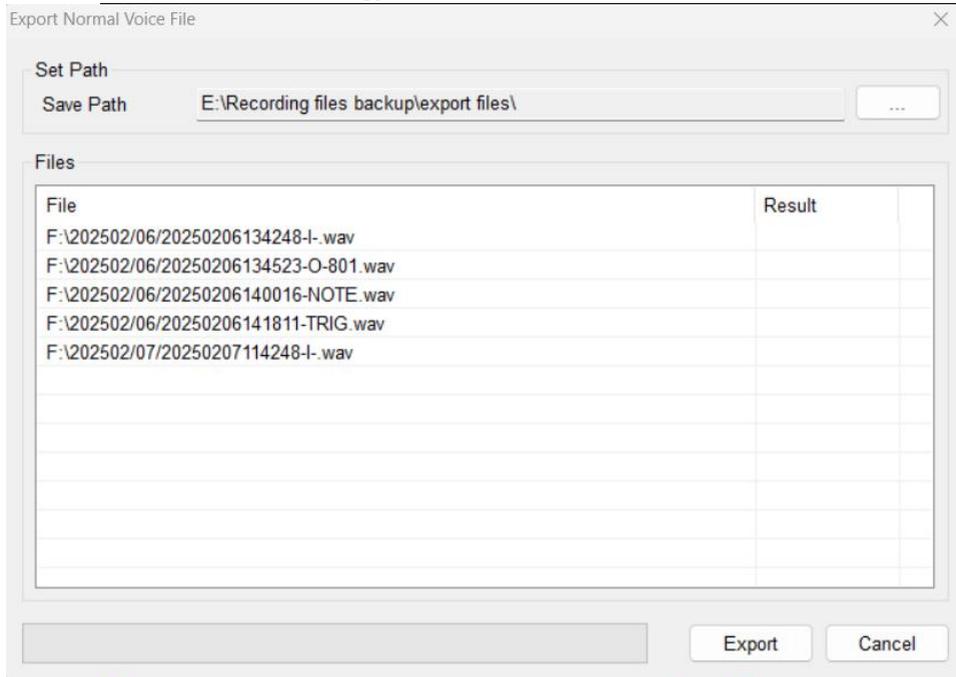
Users can click  to export data sheet of the records or normal audio files.

Export Excel

	A	B	C	D	E	F	G	H
	Flag	Rec	Type	Date	Phone Number	Talk Duration	Record Duration	Comment
1			Inbound	2025/2/7 14:48:33		00:00:21	00:00:21	
2			Inbound	2025/2/7 14:45:16		00:00:06	00:00:06	
3			Answer Machine	2025/2/7 11:50:05		00:00:21	00:00:12	
4			Answer Machine	2025/2/7 11:42:48		00:00:18	00:00:09	
5			Missed	2025/2/7 11:22:00		00:00:00	00:00:00	
6			Voice Trigger	2025/2/6 14:28:48	1	00:00:20	00:00:20	
7			Voice Trigger	2025/2/6 14:18:11		00:00:25	00:00:25	
8			Notes	2025/2/6 14:02:15		00:01:09	00:01:09	
9			Notes	2025/2/6 14:01:11		00:00:39	00:00:40	
10			Notes	2025/2/6 14:00:16		00:00:07	00:00:07	
11	Flag		Outbound	2025/2/6 13:45:56	801	00:00:26	00:00:20	
12			Outbound	2025/2/6 13:45:23	801	00:00:25	00:00:19	
13	Flag		Inbound	2025/2/6 13:44:16	801	00:00:18	00:00:16	
14			Inbound	2025/2/6 13:42:48		00:00:19	00:00:19	
15	Flag		Notes	2025/1/25 11:53:41		00:00:08	00:00:08	
16			Outbound	2025/1/25 17:30:14	801	00:00:17	00:00:13	
17			Inbound	2025/1/25 17:22:47		00:00:15	00:00:15	
18			Inbound	2025/1/25 17:18:41		00:00:11	00:00:11	
19			Outbound	2025/1/25 17:17:38	801	00:00:22	00:00:17	

Export Normal Voice File

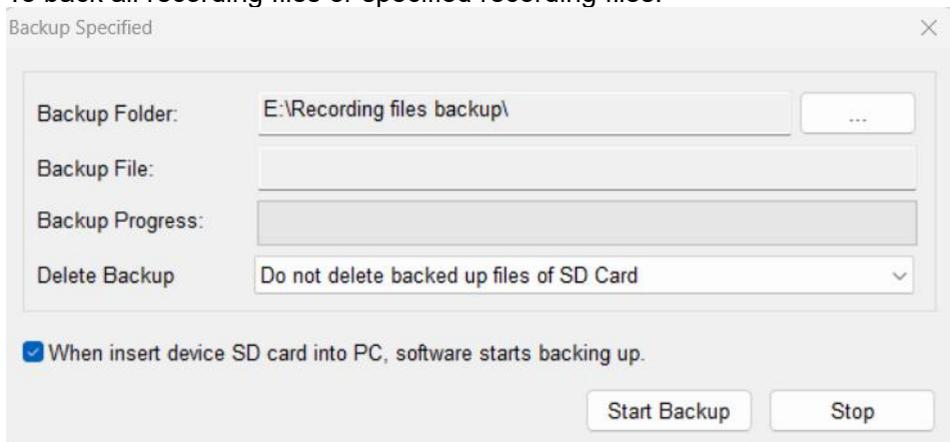
Select the recording files and click “Export”>> “Export Normal Voice File”, then specify the “Save Path” and click “Export”, the selected recording files will be exported to the specified file folder(Not including the call logs).



The format of the recording file name is YYMMDDHHMMSS+Recording Type+Phone No.(if there is). Recording Type description: “I” means recording for inbound analog phone call or answering machine message; “O” means recording for outbound analog phone call; “NOTE” means surrounding voice recording and manual phone call recording; “TRIG” means recording for IP phone/ digital phone call by voice trigger.

Backup

To back all recording files or specified recording files.



The backed-up recording files will be stored in the folders of year+month>>>day accordingly. Call Logs will be also backed up.

7. FAQ:

Q1: Can I set the device on my computer?

A1: Yes, you can set the device on Windows PC. Please download the Log Manager Lite software and install it on your PC. Connect the device to USB port of your computer with the attached USB data cable. You can set the parameters on the software and then write them into the device conveniently.

Q2: Can I manage the recording files on my MAC computer?

A2: You can take out the SD card when the power of the device is off, then insert the SD card to a card reader to export the recording files to your MAC computer and manage the files. If what you have is a Windows PC, you can connect the the device to your computer with the attached USB data cable and manage the recording files directly or manage the files on the Log Manager Lite software conveniently.

Q3: When I plug in the power, the device will auto run. But it can not record a voice talk, why?

A3: The factory default setting is MANUAL recording mode for voice talk recording. Please turn the SOURCE switch to MIC, and select SETTING>>RECORDING>>MIC REC. MODE>>VOX to set Voice Trigger Mode. The device will auto start to record when it detects voice.

Q4: The device can't record unless I speak loudly. How can I do?

A4: Please click SETTING>>RECORDING>>VOX TRIG LEVEL to adjust the voice trigger level to be more sensitive. The VOX TRIG LEVEL setting range is 1-10. The default value is 3. 1 is the most sensitive.

Q5: I use the device with an IP phone/ digital phone. When there is a call, it can not record automatically. How can I do?

A5: Please confirm the connection is in the right way(refer to the diagram picture) and make sure that the SOURCE switch is on PHONE side. After that, please check if it is in SETTING>>RECORDING>> AUTO/MANUAL REC.>>TRIG mode. And adjust the VOX TRIG LEVEL if necessary.

Q6: When I use the device with an IP phone to record. It is too easy to stop recording, sometimes it records, sometimes it doesn't record. How can I do?

A6: Please try to adjust VOX TRIG LEVEL to be more sensitive and VOX SILENCE time setting to be longer. The Setting Range of VOX SILENCE time is 5-99s. The default value is 5s.

Q7: When I use the device with a digital phone, it keeps recording and not be able to end. How can I do?

A7: Please try to adjust VOX TRIG LEVEL to be less sensitive and VOX SILENCE time to be shorter.

Q8: I use the device with an analog phone and I have set SETTING>>RECORDING>> AUTO/MANUAL REC.>>AUTO mode, but it can not start to record automatically. How can I do?

A8: Please confirm the connection is in the right way(refer to the diagram picture) and make sure that the SOURCE switch is on PHONE side. After that, please try to adjust the voltage in SETTING>>RECORDING>>OFF HOOK VOLTAGE. The voltage setting range is 15~30(V), and the default value is 22V. The system will start to record automatically when the call is on talking(line voltage is lower than setting).

Q9: Can I insert a microphone into the microphone jack of the device to record a phone call?

A9: No, both the built-in microphone and the microphone jack of the device is for MIC(surrounding voice) recording ONLY.

Q10: When the device power off and on again, the TIME and DATE information will be wrong. Can it update automatically?

A10: ONLY when the device is connected to a landline with FSK caller ID format and you have enabled the synchronization function, the time and date information will be synchronized automatically. Or users have to set the TIME/DATE information manually.

8. Service

8.1 Quality Warranty

One(1) Year Warranty.

CAUTION: THE STORAGE AUDIO FILES WILL BE FORMATTED IN THE COURSE OF WARRANTY SERVICE.

8.2 Technical Support

Email: support@lecall.net

Phone: +86-18929347000

WhatsApp: +8618929347000

Wechat: +8618929347000