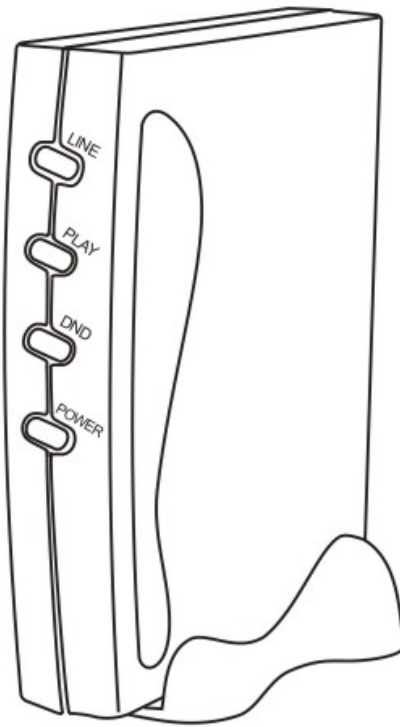


AD120
Single Line Telephone USB Recorder
Operating Manual



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General Description:

Although telecom system developed rapidly and progressing constantly, the phone is still the simplest and convenient way that people communicate with each other. In particular it comes to business, a lot of transaction details should be verified by telephone. In order to avoid forgetting, misunderstanding or dishonest, it is very important that the recording equipment is a must in some trades. So far, most similar recording devices used the pronunciation card with industry PC, special-purpose software, which causes large systematic capacity requirements and expenses, a few enterprises can accept it. For this reason, combined with computer and telephony integration technology, ARTECH is launching AD120 Single line telephone USB recorder, ARTECH AD120 provides a user friendly DEMO interface, AD120 hardware, DEMO source code & API to fully open SDK for software companies and system integrators. With powerful and flexible functionalities of AD120, it will be very helpful for the second development.

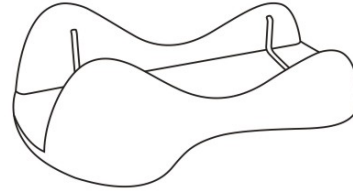
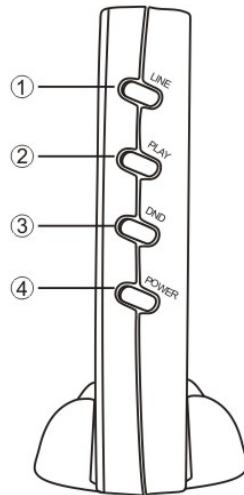
Key Features:

- Record inbound/outbound number, time & date of start, length of conversation and complete voice recording
- All voice files stored based on hard disk of PC
- Auto voice announcement for starting recording
- Flexible System parameter programming
- 4-AD120 can be expanded up to 4 lines under 1 PC
- Incoming ringing & Line status control
- Real-time Line status indication
- Live monitoring while recording online
- Build-in speaker for voice playback
- Volume grade manual adjustment
- Play voice file to Line terminal
- Four LED for system operating indication
- Provide different conditions for recording startup
- Compatible with DTMF & FSK Caller ID
- HID USB data transmission with USB driver

Product Configuration

<Front View>

1. C.O Line Indicator
2. Play Indicator
3. Ring off Indicator
4. Power Indicator



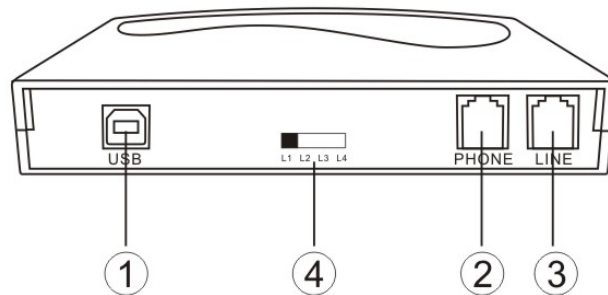
<Main unit stand view>

LED Introduction:

LINE	If line is online LED will keep on status
PLAY	If speaker monitor line LED will keep on status
DND	If setting phone to enable ring on, DND LED will keep on status
POWER	If device connect to computer LED will keep on status

<Back View>

- ① USB Jack
- ② RJ-11 Phone Jack
- ③ RJ-11 Line Jack
- ④ Device Switch



Standard USB port connect to PC via USB cable;

Standard RJ-11 telephone line cable;

Device switch used for device expanding recognition

Note: 4 AD120 device can be expanded simultaneously

System requirements:

Pentium 400 MHz CPU or above

Windows98se/XP/2000/NT OS

10MB HD space or above

128 MB RAM or above

CD-ROM

Standard USB port

Standard RJ11 port

USB Audio Function:

Supports USB2.0 Full Speed

Supports USB Audio Device Class Specification 1.0

Supports Microsoft Windows98se/ ME / 2000/ XP

Environment Requirement:

Operation Temp 0oC - 50oC (32oF - 122oF)

Storage Temp -30oC - 65oC (-22oF - 149oF)

Operation humidity 10% - 90% without congealment

Product Specifications:

Product: Single Line Telephone USB Recorder

Item No.: AD120

Dimension : 138(L) × 106(W) × 25(H) (mm)

USB cable : 1.5M

Weight : 187 g

Contents: AD120 hardware 、 Driver CD 、 USB cable 、 RJ11 Cord 、 User's manual

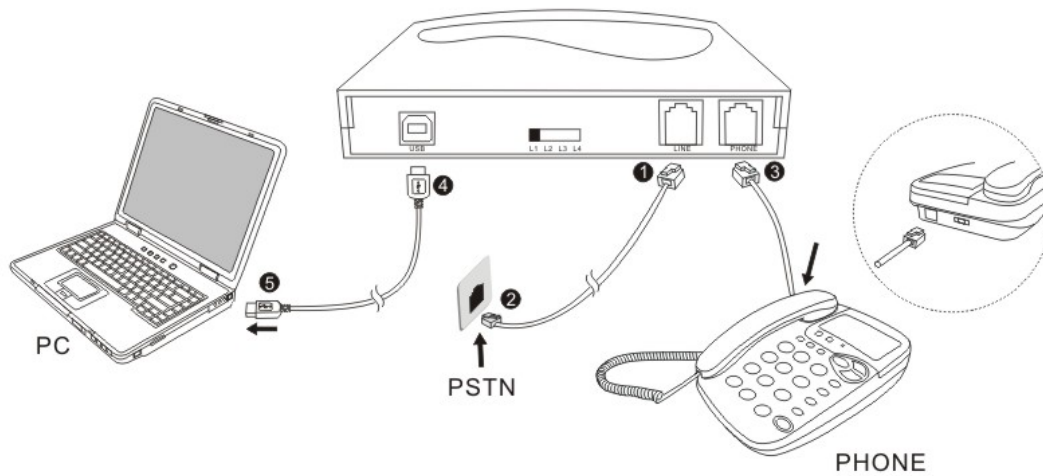
Installation Method:

One USB interface connect to PC

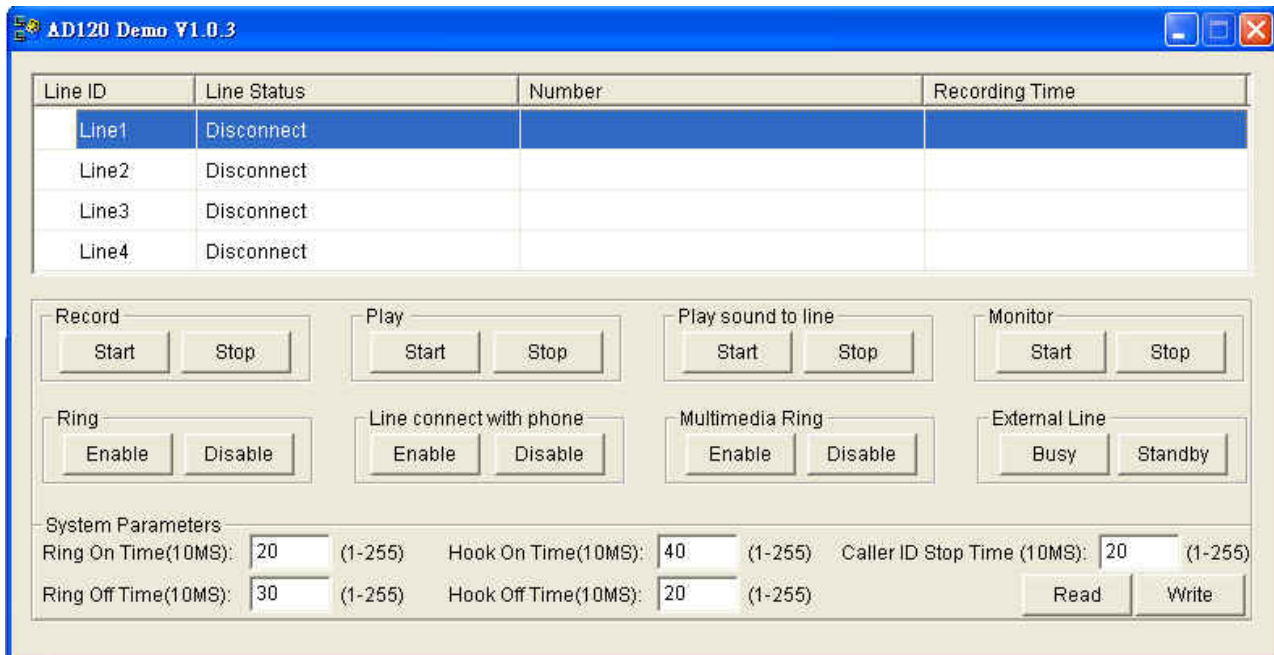
One RJ11 Line port connect to external line of exchange station

One RJ11 Phone port connect to any kinds of phones

Connecting Diagram:



AD120 Demo Introduction:



<1>. Line ID: Valid Line ID number (Line1 ~ Line4)

Line state: Line operating status (hook on/off, ring on/off, inbound/outbound call, etc)

Number: Dialed number and incoming caller ID numbers

Recording Time: Recording duration

<2>. Record >> Record conversation during talking status

Start: Start recording

Stop: Stop recording

<3>. Play >> Play voice file on AD120 device(Note: Build-in speaker)

Start: Start to play voice file to AD120 device

Stop: Stop to play voice file to AD120 device

<4>. Play sound to line >> Play voice file to external Line

Start: Start to play voice file to external Line

Stop: Stop to play voice file to external Line

<5>. Monitor >>Live Monitor the conversation while talking status

Start: Start instant monitor

Stop: Stop instant monitor

<6>. Ring >> Ringing status control while inbound call coming

Enable: Enable ringing on while call coming

Disable: Disable ringing on while call coming

<7>. Line connect with phone >> Control external line and telephone set connecting status

Enable: Enable external line connects to telephone set

Disable: Disable external line connects to telephone set

<8>. Multimedia Ring >> Multimedia ring decoding control while inbound call coming

Enable: Enable multimedia ring decoding while inbound call coming

Disable: Disable multimedia ring decoding while inbound call coming

<9>. External Line >> External line(PSTN/C.O. line) control

Busy: Control PSTN/C.O. Line loop in use mode (online)

Standby: Control PSTN/C.O. Line at standby IDLE mode (offline)

<10>. System Parameters >> Special used for different working environment

Ring On Time (Time unit: 10ms): Ringing on recognized time (default: 200ms)

Ring Off Time (Time unit: 10ms): Ringing off recognized time (default: 300ms)

Hook On Time (Time unit: 10ms): Hang up phone recognized time (default: 400ms)

Hook Off Time (Time unit: 10ms): Pick up phone recognized time (default: 200ms)

Caller ID Stop Time (Time unit: 10ms): Caller ID over recognized time (default: 200ms)

Read: Read system parameters

Write: Set system parameters

Notes: Each time can be set up to 2.55s(255 x 10ms = 2.55s) Time unit: 10ms

FAQ

How long recording time does AD120 record?

AD120 recording based on PC HDD to store records, you can see its info as follows :

PC HDD Capacity	Recording time (Unit: hours)
1GB	70
10GB	700
40GB	2800
60GB	4200
100GB	7000

What 's the difference between AD120 and other recording devices?

Recording and storage based on PC via USB, AD120 is simple, powerful, secured, and affordable. It can also be expandable up to 4 devices under one PC control. It provides a perfect solution to the SOHO family and small private enterprise or organizations which need such equipments.

Does AD120 can only record single line?

AD120 have expandable feature that 4 devices of AD120 can be used on PC simultaneously, so 4 lines can be used under 4 units of AD120 at the same time.