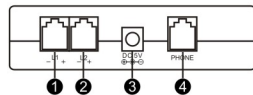


## Introduction

First of all, thank you for purchasing the Artech 2-Line Switch (AX520). This is an innovated and small switch that allows you to use 2 telephone lines into other telecomm devices (e.g. cordless phone, fax machine and PBX). AX520 consists of two input ports and one output port. Connect one of your phone lines into LINE1 and another to LINE2 as well as connect your phone device into PHONE to simply complete your device installation. This device will help you, if one of the phone lines is calling, and switch the line to your phone devices. When you are calling out, the switch will always pick whichever LINE1 is connected to, unless you pre-dial "#0" to specific your call to be connected to LINE2.

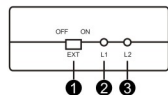
## Product Overview

### Frontal View



- 1 Rj11 Line1 Jack
- 2 Rj11 Line2 Jack
- 3 DC5V Jack
- 4 Rj11 Phone Jack

### Side View



- 1 Ext Switch
- 2 Line1 Indicator
- 3 Line2 Indicator

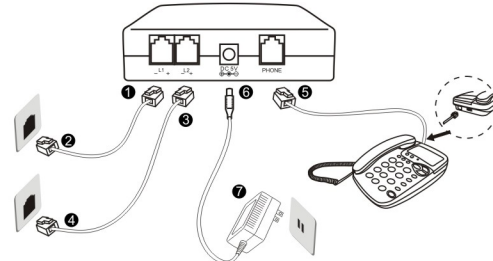
Light Signal	Status/Lt. Color	Description
L1	Always On Green	L1 has the same signs (+ -) with the switch
	Always On Red	L1 has conflict signs (+ -) with the switch
	Blinking Green	L1 has incoming call
	Always On Yellow	L1 in use
	Blinking Slowly Green	L2 in use
L2	Blinking Slowly Red	Lines are having problems
	Always On Green	L2 has the same signs (+ -) with the switch
	Always On Red	L2 has conflict signs (+ -) with the switch
	Blinking Green	L2 has incoming call
	Always On Yellow	L2 in use
	Blinking Slowly Green	L1 in use
	Blinking Slowly Red	Lines are having problems

**Note:** If PHONE connects to a normal phone device other than a PBX, you may ignore this signal. If it's on PBX, please refers to our detail description at the end of this guide.

## Hardware Installation

- 1.Plug one of the RJ-11 line into Switch's L1 port.
- 2.Connect the other end of L1 to whichever your line-1's wall jack.
- 3.Plug the second RJ-11 line into Switch's L2 port.
- 4.Then, connect the other end of L2 to whichever your line-2's wall jack.
- 5.Plug the RJ11 of your phone device to PHONE port of the switch.
- 6.Now, find the DC5V power supply and plug it in your power outlet.
- 7.Finally, connect your DC5V's DC cable to your switch and complete the installation.

**Note:** After complete your installation, make sure you can see L1 and L2 in Green or Red constant lights on.



## Features

### EXT (Line Switch)

Status	Description
ON	If one of L1 or L2 is in use, the other L1 or L2 will not be busy. (The second L1 or L2 could be use by another phone device)
OFF	If one of L1 or L2 is in use, the other L1 or L2 will be busy. (The secondary phone device could not use the other L1 or L2)

### L1/L2 Lights

To find out about L1 and L2, please refers to LED Lights.

## Instruction

### Making Calls

**Note:** Be sure you properly connect L1 and L2 by our Hardware installation guide.

### Without Power

When no power is plug in AX520, you can only use your L2. Only L2 will ring when having incoming calls as well as the Caller ID.

### With Power

#### Use your L1:

By picking up your phone device, switch will connect you with L1 (L1 will be lighted in Yellow, L2 will be blinking slowly in Green), and make your calls via L1.

#### Use your L2:

When you pick up your phone device, dial "#0" for connecting to your L2 (L2 will be lighted in Yellow, L1 turns slow blinking in Green), and make your calls via L2.

### Receiving Calls

Switch will automatically pick up any line from L1 or L2 when receiving incoming calls. You may simply pick up your calls from your phone device. By setting your EXT switch, you may customize your preference on the secondary line activity.

### Other L(lines) situations

**Note:** Be sure you properly connect L1 and L2 by our Hardware installation guide.

- 1.If L1 is not connected or having problems, the switch will automatically connect any calls via L2. Any outgoing calls will also connect to L2. L1 will remain in Red light and L2 will maintain its Yellow.
- 2.If L2 is not connected or having problems, the situation is vise versa. L2 will remain in Yellow, and L2 will maintain its slow blinking in Red.
- 3.By picking up your phone device and dial "###", you can manually set the L1 in temperately disable. Any calls will be connect to L2. L1 will be in Red, L2 will maintain its Yellow. Dial "###" again will switch to disabling L2 and vice versa.
- 4.When disabling L1 or L2, the switch will automatically detect if L1 or L2 is back in normal status. If both are being back normal, the detection will not occur anymore.

## Working with Callshop Billing

When AX520 is working with Callshop Billing, be sure you have the same signs (+ -) connected with L1 and L2. Confirm your Callshop Billing machine and make sure they have the same signs (+ -) with Ax520.

L1	Always On	Green	L1 or L2 has the same signs(+ -)
L2	Always On	Red	L1 or L2 has the conflict signs(+ -)

**Note:** Please confirm that L1 and L2 is connected property by the chart and giving the proper power voltage.

## L1/L2 Light Staus:

### Always Green:

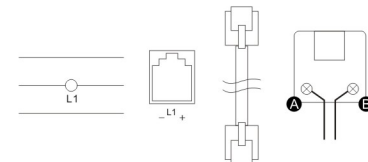
L1 or L2 has the same signs(+ -).

### Always Red:

L1 or L2 has the conflict signs(+ -).

### To solve the conflicts

To solve the conflicts, please refer to the chart and flipping the position of point A and point B. Therefore, A becomes B, B changes to A.



## Technical Specification

Input/ Ouput	L1, L2	2 ports of RJ11 for PSTN
	PHONE	1 port of phone device
Lights	Color LED	Red/Yellow/Green
Power	Power Adapter	Input: AC100-240 50/60Hz
		Output: DC5V 200mA
Size	Actual AX520	105(W) x 71(I) x 30(H) mm
Weight	Net Weight	120g