Overview

AX520 has 2 line jacks and one phone jack. The line jacks can connect to PSTN line and VOIP line. Whenever there is a ring from either of them, the phone can ring and answer. When the user wants to make a phone call, it goes through LINE2 jack automatically. If user dials ##1 before the telephone number, it will dial out from LINE1 jack. It is ideal for FXS VOIP units. Sometimes the users don't have enough line port on PBX or KTS. It can expand the number of CO line ports.

Part II: Features:

1. Call select automatically

Users can use one telephone set with two different lines, and the call would select the line according to the programming automatically.

2. Compatible:

It can be used for the select between PSTN line and VoIP line, PSTN line and GSM/CDMA FWT, GSM/CDMA FWT and VoIP line, and so on.

3. Easy Programming:

Call selector can be programmed manually using the keypad of telephone set.

4. Call prefix programmable:

Users can program which phone numbers go through one line and which numbers go through the other line.

5. No influence on the voice quality:

It does not have any influence on the voice quality.

6. Busy line prompts available:

If there is incoming call from one line when the other line is on talking, users can set the line busy tone.

7. Basic auto dialer function:

It can add some gateway number for the two lines before the phone number to save call cost.

8. Intercept/Delete function:

It can intercept/delete some digits that users dial.

9. PBX interface

It is compatible with PBX, and users can set outgoing code for the two lines.

10. System password:

Call selector can be set 4-digit system password for data lock.

PART III: Installation

Easy plug-in installation

1. Plug default priority line into the selector's LINE2 port, the other line into the LINE1 port. E.g.: If there are PSTN line and GSM FWT, plug the PSTN line to the LINE2 port, and GSM FWT to the LINE1 port.

2. Connect the selector's TEL port with your telephone/fax/PBX

3. Plug the power adaptor
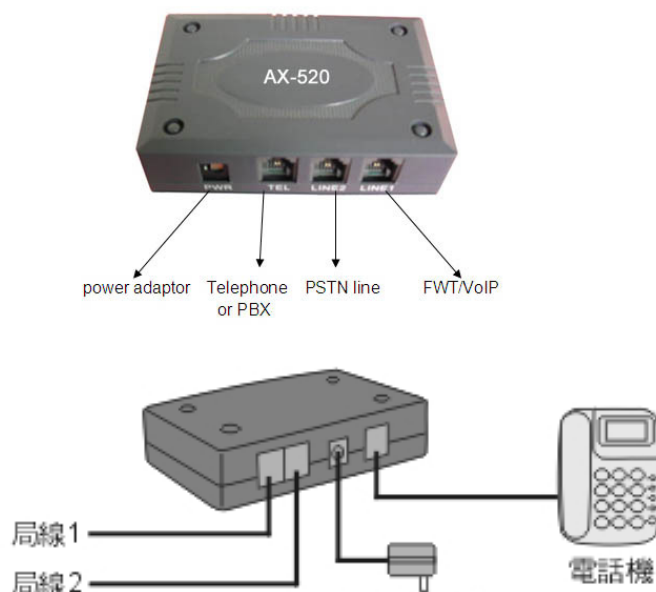
PART IV: Operation Guide

When call selector is being programmed, certain tones will be generated. A single "～du" sound means the command entered is correct, while a double "～du～du" sound means the command entered is bad/rejected.

If it is for the first time that you modify a call selector, please use the system restoration instruction to reset for default values.

1.　Enter into system

Users should press *** to enter into the system configuration. Users need not hang up the handset after configuring one step, just do step by step. If it has been hang up, users have to enter *** another time to enter into system.

2.　System password

Note: Please take care of the password, if without the password, no programming can be done.

2.1 Password setting:

79 4-digit password#

2.2 Enter the system if there is password:

***4-digit password

2.3 Password deleting:

79#

3.　System Reset

To erase all the configuration and restore the selector for factory default value, pick up the phone, press *1937, then hear "～du" sound.

NOTICE: Please be careful when using this setting, as it will eliminate all the configurations and restore the system to the default status.

3.　Gateway number setting:

3.1 To set gateway number1 for LINE1:

*801*access number*#

3.2 To set gateway for LINE2:

*802*access number2*#

3.3 To delete gateway for LINE1

821#

3.4 To delete gateway for LINE2

822#

3.5 To set time delay after the gateway number:

57MN#

M, N is from 0 to 9 and the time unit is 2seconds. M is the delay time after gateway2, N is the delay time after gateway1.

4.   Activation/Intercept/Delete code setting:

The default value is that all long distance/IDD calls with prefix 0 go through LINE1, all local calls go through LINE2. If users want to change the default value, program as following:

4.1 For long distance and IDD calls with prefix 0:

4.1.1 To set all long distance and IDD calls go through LINE1

040#

4.1.2 To set all long distance and IDD calls go through LINE2

050#

The default value is all long distance and IDD calls go through LINE1

4.1.3 To set long distance and IDD calls add gateway number1 and go through LINE1

041#

4.1.4 To set long distance and IDD calls go through direct LINE1

051#

The default value is all long distance and IDD calls add gateway number1 and go through LINE1.

4.1.5 To set long distance and IDD calls add gateway number2 and go through LINE2

042#

4.1.6 To set long distance and IDD calls go through direct LINE2

052#

The default value is all long distance and IDD calls add gateway number2 and go through LINE2.

4.1.7 Add activation area codes of LINE1 and delete the codes of LINE2

*02 0 * area code1* area code2*…area code N*#

4.1.8 Add activation area codes of LINE2 and delete the codes of LINE1

*03 0 * area code1* area code2*…area code N*#

4.1.9 Add activation area codes of gateway1 and delete the codes of direct LINE1

*02 1 * area code1* area code2*…area code N*#

4.1.10 Add activation area codes of direct LINE1 and delete the codes of gateway1

*03 1 * area code1* area code2*…area code N*#

4.1.11 Add activation area codes of gateway2 and delete the codes of direct LINE2

*02 2 * area code1* area code2*…area code N*#

4.1.12 Add activation area codes of direct LINE2 and delete the codes of gateway2

*03 2 * area code1* area code2*…area code N*#

4.2 For local calls:

4.2.1 To set all local calls go through direct LINE1

221#

4.2.2 To set all local calls go through direct LINE2

220#

4.3 Intercept/Delete prefixes setting:

4.3.1 Active Intercept/Delete function

511#

Cancel Intercept/Delete function

510#

4.3.2 Set Intercept/Delete prefixes for gateway2:

*59*prefix1*prefix2* …. Prefix N*#

59# to delete the prefixes

The max length of the prefix is 5 digits, and 10 groups of prefix available at the most

4.3.3 Set Intercept prefixes for gateway2

*52*prefix1*prefix2…, prefix N*#

4.3.4 Set the working status of the prefixes for gateway1:

232#

To delete the prefixes of the phone numbers and go through direct LINE1

233#

To replace the prefixes with the gateway number1, and go through gateway1

4.4 To use direct LINE2 to make long distance/IDD calls temporarily:

Dial ## before the destination number

5. Busy line setting:

5.1 If there is incoming call from one line when the other line is on talking, users can set the line busy tone.

5.1.1 No busy line prompts for both LINE1 and LINE2

240#

5.1.2 LINE1 has no busy line prompts, LINE2 has busy line prompts

241#

5.1.3 LINE1 has busy line prompts; LINE2 has no busy line prompts

242#

5.1.4 Both LINE1 and LINE2 have busy line prompts

243#

The default value is *241*#

5.2 Busy line time setting:

5.2.1 Flash time setting: *50N*#

N is from 1 to 9, the time unit is 150ms. The default value is 2, 300ms.

5.2.2 The interval time of flash setting: *27N*#

N is from 1 to 9, the time unit is 5seconds. The default value is 4, 20s.

5.3.1 *260*# When making a call, if LINE1 is busy, cut down the call.

5.3.2 *261*# When making a call, if LINE1 is busy, turn to LINE2

The default value is *260*#

6. Ending attachment code setting:

Some gateways request some code as ending code.

6.1 To set add ending code automatically:

31 + access number + NNNN(0 to 4 digits)#

6.2 Delete ending code

*31 +access number+**#

If there is no gateway number, the selector would follow users' dialing habit before. If users have to dial a # after the destination number before, they have to do the same after the call selector installation.

7. Interval time of dialing digits:

It is to judge whether users have finished dialing the phone number. If it has exceeded the programmed time, the selector would send out the number to the correspondent line automatically, no matter whether users have finished the dialing.

08N#

N is from 1 to 9 seconds, the default value is 2 seconds.

8. PBX setting:

If the call selector is used in a PBX system, outgoing code should be set.

8.1 To set the outgoing code:

01+outgoing code+#

8.2 To cancel the outgoing code setting:

01#

8.3.1 No need to dial outgoing code for both LINE1 and LINE2 calls

540#

8.3.2 Users need to dial outgoing code for LINE2 calls, no need to do that for LINE1 calls.

541#

8.3.3 Users need to dial outgoing code for LINE1 calls, not need to do that for LINE2 calls

542#

8.3.4 Users need to dial outgoing code for both LINE1 and LINE2 calls.

543#

The default value is *540*#.

9. LINE1 dialing tone detection setting:

9.1 Not detect LINE1 dialing tone:

250#

9.2 Detect LINE1 dialing tone:

251#

If set detect LINE1 dialing tone, when it can not detect dialing tone, the selector would send the phone number to LINE2.

If set not detect LINE1 dialing tone, when there is no dialing tone, the selector would cut down the call.

Part V: Configuration example for Indonesia
Requirements:

1) GSM: (using Hp Sim Card)

　(1)SLI (International Call) :

　　Dial : 001/007/008+Code+Code Area+No.Telp+#   (automatically dial 01089 HP 3 Card) 。

　(2)SLJJ (Indonesia Natioanl Call):

　　Dial : Code Area+No.Telp+#   (automatically to 3 Card HP) 。

　(3)HP:

　　Dial : 08XXXXXXXXX+#   (automatically to   3 Card HP) 。

2) PSTN: (Dial : 011=17011，018=17018，019=19019， 012=12012) VoIP Acccess 。

　(1) SLI:

　　Dial : 011/018/019/012+Code +Code Area+No.Telp+#

　(2) SLJJ:

　　Code : 011/018/019/012+ Code Area+No.Telp+#

　　In the GSM FWT also have software that program two way to dial :

　　1. first choice if we dial International, National, Hp directly using 3 card Hp cause more cheaper. (point 1), first priority

　2. but if using the line 3 card is not good, we have another choice to use VoIP by dial VoIP code (point 2)

Operation:

Connect GSM FWT to LINE1, and PSTN line to LINE2.

***　　　enter into system

*1937　　system reset

*801*01089*# set 01089 for LINE1

*802*17011 *# set 17011 for LINE2

511#　　active intercept function

*59*001*007*008*#

23 3#　　intercept the prefixes 001, 007, 008 with 01089

*52*011*018*019*012*# intercept the prefixes 011,018,019,012 with 17011

57 4 5#　add 8seconds of time delay after 17011 and 10seconds of time delay after 01089

*02 0 * 02* 03*04*05*06*07*08*09*#

*05 1 *#　set national calls with prefixes 02,03,04,05,06,07,08,09 go through direct GSM FWT

All local calls with prefixes 1, 2, 3, 4, 5, 6, 7, 8, 9 would go through direct PSTN line

系統重定以後 預設就是所有電話都走 LINE2 線路

***

*1937

如果要設置全部都走 LINE1 線路的話

***

*1937

221#

040#