

# **U s e r ' s M a n u a l**

**AX522**

**2-Line Switch**

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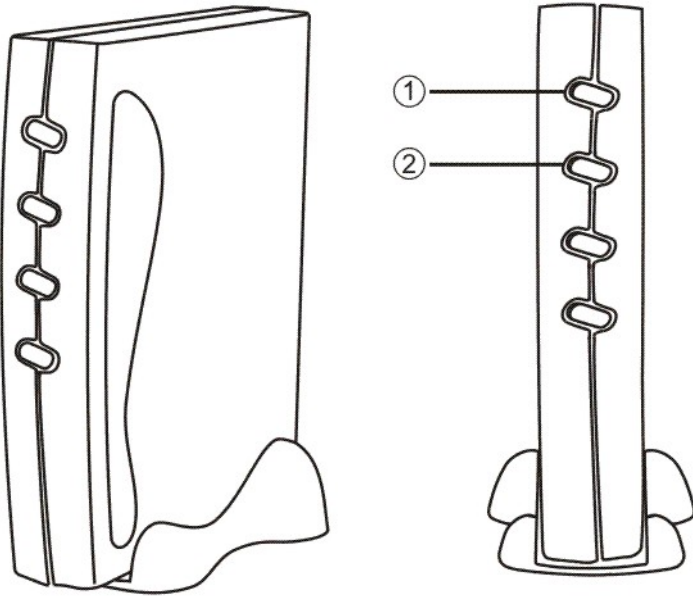
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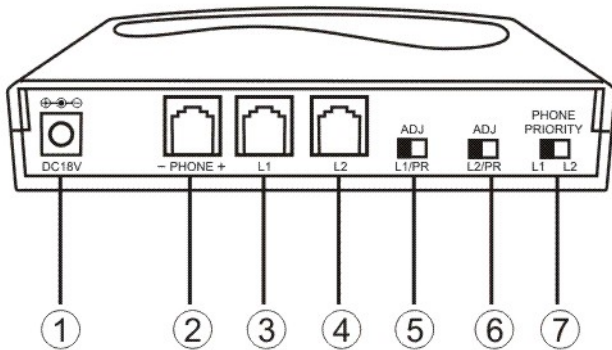
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# AX522 User's Manual

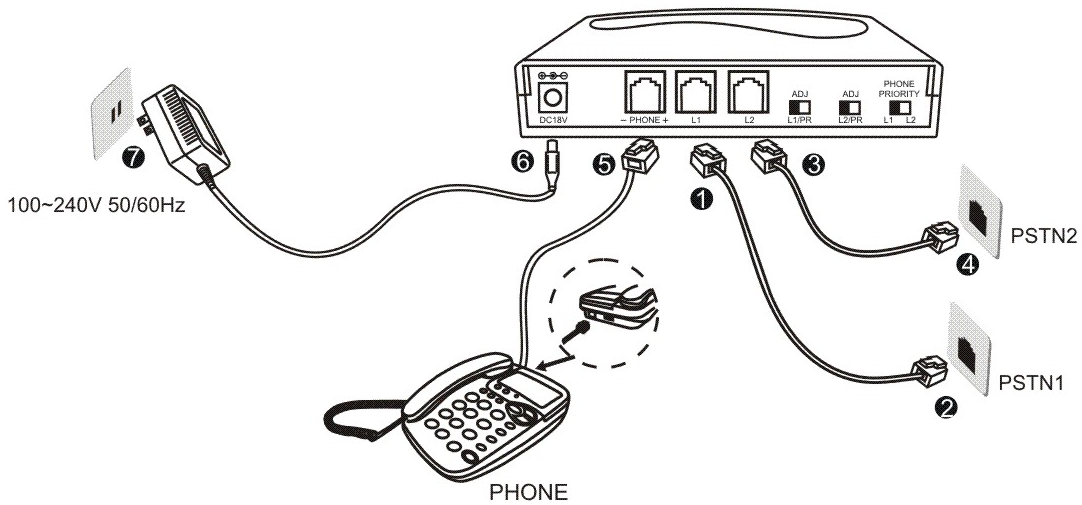
## 1.1 Product Overview



- ① L1 Indicator
- ② L2 Indicator



- ① DC18V Power Jack
- ② RJ-11 Phone Jack
- ③ RJ-11 Line1 Jack
- ④ RJ-11 Line2 Jack
- ⑤ L1 Polarity Reversal Switch
- ⑥ L2 Polarity Reversal Switch
- ⑦ Phone Using Priority Switch



## 1.2 Parameter Settings Instruction

Each parameter has a scheduled default value when on production, for more details refer to below parameter table. When on parameter setting mode, if there have new parameters are entered that the parameters will be validated, if no new parameters are entered will reserve previous default value. If you want to reset a Dialer, please make sure to clear all values first in order to avoid previous settings to effect normal operation of Dialer. Because you don't know what parameters are set to Dialer before, so it's very important to resume previous parameters of Dialer.

## 1.3 Production Defaults

Production scheduled default values procedures as follows:

1. Pick up handset
2. Press **【#】**、**【1】**、**【#】** will hear Beep voice
3. Press **【9】**、**【9】** will hear Beep voice
4. Press **【\*】**、**【#】** , after 2 second will hear 1 long Beep voice, then Dialer will resume production default values

## 1.4 Parameter Settings Procedure

1. Pick up handset
2. Press **【#】**、**【1】**、**【#】** will have a Beep voice
3. Enter parameters
4. Enter values ( If value is blank, please directly dial \*# to end setting )
5. Press **【\*】**、**【#】** will hear a long Beep voice
6. Hang up handset to repeat step 1~5 to set other parameters ( or not hang up to repeat step 3~5 can also set other parameters )
7. If parameters are set improperly will have three Beep voice for reminding

### 1.4.1 Parameter Table

Parameter	Parameter Code	Default	Length	Unit	Remarks
Access Number	01	1-#	1-16		
1 <sup>st</sup> Pause Time	06	06	2	1sec	
One line is used and another line is busy	50	3	1		
Ending Code	59	NULL	2	100ms	If set "1#" stands pausing 100ms to dial # after system and previous codes are dialed over
Valid activated Prefix	66	None	1-6		
Exceptional Prefix	76	None	1-6		
Delete Active/Exceptional Prefix	77	None	1-6		
Remote Programming Password	85	1111	1-8		
Local Programming Password	88	None	1-8		

DTMF Tone On Time	78	06	2	10ms	
DTMF Tone Off Time	79	06	2	10ms	
ON HOOK Time	87	04	2	100MS	
Subtracted Code	71	None	2		Only one group subtracted code, 04 stands to subtract 4 codes
BYPASS Value	82	#2#	1-6		
Reset to Default	99				

### 1.4.2 Parameter Instruction

1. Access code(01) : This parameter saves the first group of numbers to be sent out if the dialer AX522 detects the user input number (Prefix with parameter 66).
2. Active Prefix(66) : This parameter saves the active prefix, typically the prefix of the number routes through L2. It can hold up to 36 values.
3. Exception Prefix(76) : If dialed numbers are invalid activated codes, then dialed numbers will be dial out through another line, not to dial access number. Totally can be set 36 groups.
4. Delete Active/Exceptional Prefix (77) : Delete activated/exceptional prefix, if the contents of this parameters are the same as current activated /exceptional contents, then this valid activated codes will be deleted.
5. One line is used and another line are busy setting (50): One line is used, then can select another line whether need to be online, can set 1-4. If set to 4 that stands any line is used, another line will not be online. If set to 1 that stands if L2 is used, L1 will be online, L1 is used, L2 will not be online. If set to 2 that stands of L2 is used, L1 will not be online; L1 is used, L2 will be online. If set to 3 that stands if any line is used, another line will be online.
6. 1<sup>st</sup> Pause Time (06) : After the first access number are dialed over, after pause time ok will dial out previous codes.
7. ON HOOK time(87): Hang up handset detecting time
8. Ending Code (59) : Pause some time to continue dialing one code after system codes and previous codes are dialed over
9. Subtracted Code (71) : Used for removing activated codes like following example:
  - Setting : (01) =1234567890; (66) =00281; (71) =04
  - Press 00281-8888 to dial out 1234567890 →1 8888
10. BYPASS value(82) : If pick up handset to dial BYPASS codes firstly, then will only select L1 to dial out according to previous codes
11. Clear all parameters(99) : To clear all parameters to resume previous values
  - Previous codes : Phone number after pick up phone dialed

### 1.5 Outgoing calls

If no power the phone connects to L1

Condition : When power connecting, both L1 and L2 have line connecting. Pick up phone to connect L1 (L2), then starting to dial, system will check dialed numbers to decides whether dial out from L2 (L1).

1. If dialed numbers are invalid codes or activated codes will put dialed number to dial out from L2, after dialing over phone will switch to L2 ( If previous 2 codes no dialing over within 8 second, then phone will switch to L2, after dialed two codes phone no dialing over within 3 second, phone will switch to L2 ) L1 LED constant in Yellow will turn to slowly flash in Green, L2 LED slowly flash in Green will turn to constant light in Yellow, L1 will cut line, after 2 second will be

- online to disable ring on, in this case talking will be through L2.
2. Pick up phone and enter #0, then phone will select L2 to dial out.
  3. If not above numbers will dial out from L1, then talking on phone will be through L1, L1 LED constant in Yellow, L2 LED slowly flash in Green, L2 will be online.
    - For example : If activated code is 09, pick up phone to connect to L1 and dial 0912345, (0912345 will dial to L1), when "09" valid activated code is found, then will dial out access number from L2. If reached pause time will dial out previous codes (0912345) at once and switch phone to L2, L1 will be online and talk through L2.

### 1.5.1 Incoming calls

When there have incoming calls in any line that will automatically switch the line which has incoming calls, at the same time another line will be online, then pick up handset can talk directly.

When L1 has incoming call, L1 LED will quickly flash in Green, L2 LED will slowly flash in Green ;

When L2 has incoming call, L2 LED will quickly flash in Green, L1 LED will slowly flash in Green.

### 1.5.2 Other Line Situations

4. If L1 has no line, system will switch phone to L2, any numbers will be dialed out from L2, then L1 LED will slowly flash in Red, L2 LED will be constant in Yellow
5. If L2 has no line, any numbers will be dialed out from L1, then L1 LED will be constant in Yellow, L2 LED will slowly flash in Red.
6. If pick up handset from L1 and no dialing tone, after 4 second system will be automatically switched phone to L2, any numbers will be dialed out from L2, then L1 LED will slowly flash in Red, L2 will be constant in Yellow and will switch to L2 after next picking up.
7. If pick up phone on L2 and no dialing tone, after 4 second system will be automatically switch phone to L1, any numbers will be dialed out from L1, then L2 LED will slowly flash in Red, L1 LED will be constant in Yellow and will switch to L1 after next picking up.
8. Pick up phone to dial # # # can startup L1 by manual, any numbers will be dialed out from L2, then L1 LED will slowly flash in Red, L2 LED will be constant in Yellow and will switch to L2 after next picking up.
9. After above step 6 · 7 · 8 are startup, dialing tone of abnormal line will be checked by phone with every 15 minutes, if have dialing tone, then come back to normal situation that don't need to be auto checked with every 15 minutes.

## 1.6 Line Polarity Detecting Instruction

This product will check line polarity automatically(system has only one default polarity) and indicates current line polarity whether coincides with system default polarity via LED status display.

*On standby mode, if L1 line polarity is the same as system default polarity, L1 will constant light in Green, else L1 will constant light in Red*

*On standby mode, if L2 line polarity is the same as system default polarity, L1 will constant light in Green, else L1 will constant light in Red*