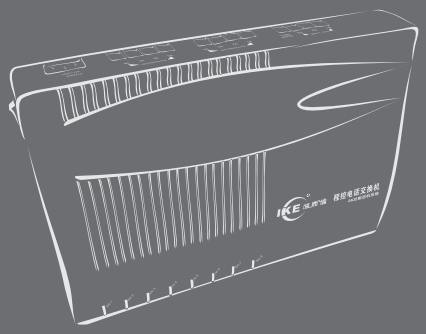
PABX

Private Automatic Branch Exchange



Model : TC-2000AC Series

Instruction Manual

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1.1 Attentions

Attentions!

1 Keep the unit away from heating appliances and electrical noise generating devices such as motors and televisions, these noise sources can interfere with performance of machine.

2 Keep away from AC power source when install the telephone cables.

3 Avoid using the same power supply outlet for computers and other office equipments, otherwise, the system operation may be interrupted by the induction noise.

4 Unplug during install or remove the expansion boards, and the boards should be installed or removed vertically to avoid short circuit.

5 After system is started, if it does not operate properly, please restart it, if it is still works improperly, please contact with your dealer.

6 This unit should be kept free of dust, moisture, high temperature and vibration, and should not be exposed to direct sunlight.

7 Never attempt to insert wires, pins, etc. into the vents or holes of unit.

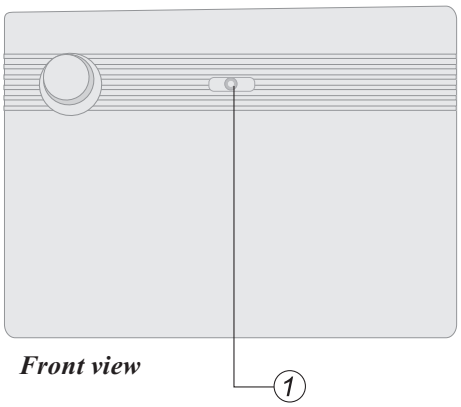
8 Do not use benzine, thinner, or the like, or any abrasive powder to clean the cabinet, wipe it with a soft cloth.

9 Machine have built-in lightning arrester, but if user equip external arrester for machine can enhance anti-lightning ability.

1.2 Technical Index

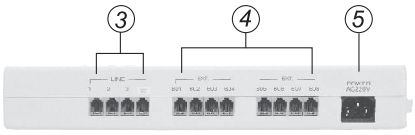
No	*Names*	*Specifications*
1	***Communicate Channel***	7 channels
2	***Transmission Attributes***	* Extension to extension ⩽ 1.5dB * Extension to trunk line ⩽ 2.0dB
3	***Ringing current***	Ac65v / 50Hz
4	***Degree of Unbalance about earth***	* 300Hz ~ 600Hz⩽40dB * 600Hz ~ 3400Hz⩽ 46dB
5	***Dial mode***	DTMF
6	***Signal tone***	* CO line: Tone from local telecom office; * Internal dial tone: 450Hz, continuous sine wave; * Internal ringback tone: 450Hz, sine wave, 1s on / 4s off; * Internal busy tone: 450Hz, sine wave, 0.3s on / 0.3s off; * Internal confirmation tone: 450Hz, sine wave, 1s on; * Internal error tone: 450Hz, sine wave, 0.3s on / 0.3s off.
7	***Caller ID***	* Receive: Auto adapt DTMF, FSK (Bell .202) * Send: FSK (Bell. 202)
8	***Power supply***	AC220V ± 10% /12W.

1.3 Structure and Names

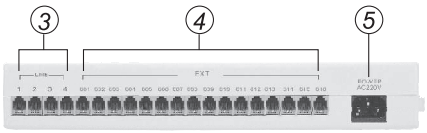


Front view

Left view



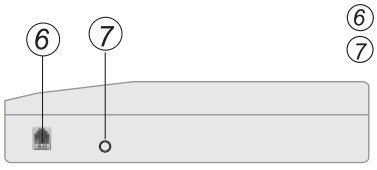
Model 208AC, 308AC back view



Model 416AC back view

Part Names:

① LED
② Power switch
③ CO line jack
④ Extension jack
⑤ Power socket
⑥ Rj11 for connect with PC COM port
⑦ External music inputted port



Right view

2.1 Unlock System Password 开系统密码编程锁

Format: *** * 01 ABCD #**

ABCD = System password (Default is 1234)

Description: Password is required for entering the system programming mode.

Example: Unlock system by password before system program:

Operating: Lifts extension 8001 ⟶ Input ** 01 1234 #⟶ Hear [System unlocked is successful, you can start operating]⟶ Start programming.

1. System programming can only be performed by extension 8001.
2. Required Telephone Set: DTMF dial mode.
3. Start with * key, and end with # key, no need to hangup 8001 while programming, otherwise you need to unlock system again by password to start next programming.
   Allows use * key to re-program if any error occur during programming, need not hangup.
4. System will inform user setting is whether successful or failured.
5. **Herein after, all programming is after unlock system by password.**

2.2 Change System Password 更改系统密码编程锁

Format : *** 02 ABCD #**

ABCD = System new password.

Example: Change password to 5678.

Operating: Lifts extension 8001⟶Input 1234⟶Input * 02 5678 #;

Suggest administrator change system password before using, please contact with service center of supplier in case forget password.

Chapter 3 About Internal Call

3.1 Internal Call内部通话

Allows an extension user to make a call to another extension.

Format 1: **ABCD** (When extension is at non-direct access CO line mode)
1. 非直拨外线的分机内部通话

Format 2: *** ABCD** (When extension is at direct access CO line mode)
2. 直拨外线的分机内部通话

ABCD = Extension number

Example 1: Non-direct outgoing mode extension 8008 calls extension 8065.

Operating: Lifts 8008 (hear internal dialing tone) ⟶ Input 8065

Example 2: Direct outgoing mode extension 8011 calls extension 8083.

Operating: Lifts 8011 (hear external dialing tone)⟶ Input * 8083

1. Ringback tone (1s:4s) is sent indicates call made successfully.
2. Internal call is free charge.
3. Internal dialing tone is more reedy than external dialing tone.

3.2 Internal Call Transfer (Between Extensions) 转接内线电话

Format : **Tap hook-switch + ABCD**

ABCD = Extension number

Description: Allows an extension user transfer an internal call to another extension.

Example: Extension 8002 is making internal talk with extension 8036, 8002 wants to transfer call to 8015.

Operating: 8002 is talking with 8036⟶ 8002 taps hook-switch quickly ⟶ input 8015 ⟶ 8015 is ringing, 8036 is listening ring back tone ⟶ 8015 off hook can talk with 8002, meanwhile, 8036 is keep listening ring back tone⟶ 8002 hung up, 8015 get through to 8036.

1. Tap hook-switch time should not over the assigned flash time, otherwise, the line will be disconnected.
2. After user A has inputted extension number of C while C is busy, A will hear busy tone before reconnect with B.
   However, will have following cases when extension C is free:

a). C is ringing, A does not hang up, when C lifts handset can get through to A, whoever A or C hang up, the remain party will connect with B;

b). C is ringing, A does not hang up, when C lifts handset can get through to A, here if B hang up, A and C will hear busy tone;

c). C is ringing, A hung up, when C lifts handset can get through to B;

d). C is ringing, B hung up, A will hear busy tone, C will stop ringing.

3.3 Conference (Internal 3-party)内线三方通话

Format : **Tap hook-switch + * + ABCD**
ABCD = Extension number

Description: During an internal call any one of user can add one more extension to build internal 3-party conference by tap hook-switch and * ABCD (ABCD is additional extension number).

During an internal call between A and B, if A want to add extension C for internal conference, extension B should not on-hook while transferring otherwise internal call will failured.

3.4 Ringback Automatically When the Called Extension Becomes Free
内线遇忙回叫

Format: **Tap hook-swtich + # # 00**

Description: Allows assign send callback ringing to notify an extension user automatically, when the ever called extension becomes available.

Example: You called extension 8008 while it is busy.

Operating: Lift your handset ⟶ input 8008 (hear busy tone)⟶tap hook-switch input **# # 00** ⟶ hang up.
Your phone will ring once 8008 becomes free⟶lift your handset, 8008 will ring, then off hook⟶ internal call is established

3.5 Call Operator 分机呼叫值班分机（单键呼叫值班分机）

Format : **Dial 9 or 0**

Description: Any extension can call operator by 9 or 0.

1. Default setting is dial 9 for operator, user can change 9 to 0 (refer 3.6).
2. This system supports two operators (refer 7.1), when extension dial 9 (or 0), the call will go to No.1 operator when it is free, otherwise, call will be forwarded to No.2 operator automatically. When both of them are busy, the call will be failure.
3. The direct-outgoing mode extension must to dial *** 9 (or * 0)**.

3.6 Access CO Line Code & Access Operator Code Assignment
出局码及一键呼叫值班分机功能管理

Format: *** 0408 MN #**
M = Access CO Line Code
(Default is M = 0)
N = Access Operator Code
When M = N means disable code which used for access operator.

Description: System default setting is access CO line by 0 and 9 for operator, if input format *** 0408 00#** can disable 9 for operator, moreover, user can change it to access CO line by 9 and 0 for operator by format ***04 08 9 0 #**.

4.1 Outside (CO) Line Connection Assignment设置外线开通状态

Description; Assigns which CO line(s) is connected to the system or not.
Format : *** 31 ABCDEFGH #**
ABCDEFGH = CO line jack need to be connected
Example: Connect CO lines with jack 1,2,3,4,5.
Input format *** 31 12345 #** can enable CO line 1,2,3,4,5.

1. User can disable all CO lines by format * 31 #.
2. When extension user make external call it will enter CO line according to priority. e.g, the first call will enter line1 priority, meanwhile, the second call will enter line 2 in case it is free. We had better connect CO lines used for receive incoming call frequently with after jacks because anterior lines are occupied by outgoing calls often.

4.2 Access Outside (CO) Line Operating 分机拨打外线

Description: Extension user can make external call by any one of following methods from **4.2.1 to 4.2.5**, related settting is from **4.3.1 to 4.3.4**.

4.2.1 Access CO Line by Dial 0 or 9 拨“0”或者拨“9”出局

Example: Non-direct outgoing mode extension 8008 makes external call.
Operating: Lifts extension 8008⟶Press 0⟶Input phone number.

4.2.2 Access CO Line Directly 直拨外线号码

Example: Direct outgoing mode extension 8008 makes external call.

Operating: Lifts extension 8008⟶Input phone number, then will enter CO line if has free line.

Related setting please refer **4.3.2.**

4.2.3 Access Preferred CO Line 选择外线

Format : **# MN**

MN = CO line port number = 01 ~16

Example: Extension 8008 wants to make external call via CO line 3.

Operating: Lifts extension 8008 ⟶Input #03⟶ Input phone number.

1. When need to use * or # key to program functions supplied from telecom provider, please access certain CO line by #MN before programming to avoid conflict with format from PABX system.
2. User will hear busy tone when the selected CO line is busy.
3. Allows select CO line by input **# M**, example, select CO 3 by input **# 3** which is the same as press # 03.

4.2.4 Personal Speed Dialing 缩位拨号

Format : **# # MN**

MN = Speed dialing number = 01 ~80

Description: Allows an extension user to store up to 80 speed dialing numbers (01 through 99) with a maximum of 24 digits per number.
e.g. 01 = 008675786692066, 02 = 008675786692033.
01, 02 are speed dialing number, dial **# #01** can call related number.

Example: Extension 8008 wants to call phone number 008675786692066 whose speed dialing number is 12.

Operating: Lifts extension 8008⟶Input **# # 12**

1. Only allows authorized user to use this function.
2. This function would be abnormal in case parameter of local C.O line is not compatible with this system.
3. Related setting please refer 4.3.3.

4.2.5 Access CO Line by Outward Code (Least Cost Route)

拨第二出局码（或第三出局码） **---**最经济路由

Example: Non-direct outgoing mode extension 8008 make external call via VOIP line whose outward code is 3.

Operating: Lifts extension 8008⟶ Press 3⟶Input phone number.

1. User must input * before outward code when his extension is at direct outgoing mode.
2. Related setting please refer **4.3.1.**

4.3 Related Settings 相关设置

4.3.1 Outward Code Assignment (Least Cost Route)出局码设置

Format : *** 97 1 A MN # (Assign Second outward code)**设置第二出局码
*** 97 2 A MN # (Assign Third outward code)** 设置第三出局码
A = Outward code = 1 ~8
MN = CO line jack number = 01~16

Description: Allows extension user make outside calls by input outward code to enter special CO line (least cost route) which suits for place whose CO lines are supplied by different telecom providers.

Example: Total have 12 CO lines, 7 ordinary lines whose CO line jack are 1 to 7, 5 VOIP lines whose CO line jack are 8 to 12, input format *** 97 1 3 08 #** means dial 3 will auto-search VOIP lines from CO line jack 8.

1. The extension number whose beginning number if same as outward code will be invalid.
2. System will enter free normal line priority when extension user dial 0 or 9 before input phone number, however, the call will be failure when all normal lines are busy, here user can try to use outward code to make external call via those special lines which within his group and system will auto-search free line from these special lines.
3. User can cancel assigned outward code by following format:
   *** 9 71 # (Cancel Second Outward Code)** 删除第二出局码
   *** 97 2 # (Cancel Third Outward Code)** 删除第三出局码
4. Related operating please refer **4.2.5.**

4.3.2 Direct / Non-Direct Access CO Line Assignment 设置分机**ABCD**的出局方式

Format 1: *** 82 ABCD N #**
ABCD = Extension number
N = 0 = Non-direct access CO line mode
N = 1 = Access CO line directly

Format 2 : *** 8 00 #** ***(Assign non-direct access CO line mode for all extensions)***
2. 设置全部分机为非直拨出局方式

Format 3 : *** 8 10 #** ***(Assign all extensions access CO line directly)***
3. 设置全部分机为直拨外线方式

Description: **When N = 0**, extension will be at intercom state as soon as off-hook, user can input extension number directly to make internal call, but he must dial 0 (or dial 9 or outward code) to get external dial tone before input phone number when he needs to make external call.
When N = 1, extension will enter free CO line as soon as off-hook and user can input phone number directly.
However, this extension will be at internal dialing mode when all CO lines are busy, user can input extension number directly if he want to make internal call at this time, otherwise, he must input * before extension number at normal condition.

1. Suggest assign N = 1 (access CO line directly) for extensions which make external calls frequently.
2. Related operating please refer **4.2.1 / 4.2.2**.

4.3.3 Assign Speed Dialing Number for Phone Number绑定缩位拨号

Format : **# ** MN abcdefgh #**

MN = Speed dialing number = 01 ~80

abcdefgh = Phone number (maximum of 24 digits)

Description: Allows authorized extension add or change speed dialing numbers which can be shared with all authorized users (refer 3.56).

Example: Extension 8003 wants to assign phone number 008675786692066 whose speed dialing number is 12.

Operating: Lifts extension 8003→Input # * * 1 2 008675786692066 #

1. The last setting will replace previous assigned number.
2. User can cancel certain speed dialing number and its phone number by format **# ** MN #** .
3. Assign which extension is permitted use speed dialing function by following program: 设置分机是否有缩位拨号权限

   Format : *** 4 0 ABCD N #**

   ABCD = Extension number

   N = 0 = Forbid

   N = 1 = Permit
4. Related operating please refer **4.2.4.**

4.3.4 IP Code of CO Line设置长途**IP**引导号

Format 1: *** 34 MN ABCDEF # (For certain CO line)** 设置外线**MN**的长途**IP**引导号

Format 2: *** 35 ABCDEF # (For all CO lines)** 设置全部外线的长途**IP**引导号

MN = CO line jack number = 01 ~ 16

ABCDEF is IP code (Less 6 digits)

Description: Assigns IP code for CO line to meet place whose CO lines from different telecom providers which can increase efficiency and reduce cost. The assigned IP code will be automatic dialing when user input long distance phone number.

Example: Assign IP code is 17909 for CO line 1, and code 193 for CO line 2.

Operating: Input * 34 01 17909 # → * 34 02 193 # ;

Allows **cancel** IP code of CO line by following format:

*** 34 MN # (For certain CO line)** 清除外线**MN**的长途**IP**引导号

*** 35 # (For all CO lines)** 清除全部外线的长途**IP**引导号

5.1 Personal Account 移动帐号（个人帐号）

5.1.1 Personal Account Assignment 管理移动帐号

Format 1: *** 86 MN A # (For certain account)** 开通或关闭帐号**MN**

Format 2: *** 86 A # (For all accounts)** 开通或关闭全部帐号

MN = account = 01~99 (total 99 accounts)

A = 0 = Disable account

A = 1 = Enable account

Description: Enable or disable make outgoing call by any extension after enter an assigned account to override restrictions but charge will be under individual account which meets demand of independent accounting.

5.1.2 Change Password of Certain Account 更改帐号**MN**的密码

Format: **# * # MN abcd * ABCD #**

MN = account

abcd = original password

ABCD = new password

Description: User can change password by this program on any extension by himself, however, he has to ask administrator for help to restore password to default setting 1234 in case forget password.

Operating: Lifts extension 8001⟶Input *** 86 MN 0 #** ⟶Input *** 86 MN 1 #**

5.1.3 Make External Call by Personal Account 使用帐号**MN**呼出外线

Format: **# * # MN abcd #**

MN = account

abcd = password of account (default is 1234)

Description: Allows use any extension to make outgoing call by this format.

5.2 Executive Busy Override (EBO) 强插功能

Format 1: *** 4 9 ABCD N #** 设置分机**ABCD**是否有强插**(**监听**)**权限

ABCD =Extension number

N = 0 = Forbid extension use EBO function

N = 1 = Permit exension use EBO function

Description: Assign which extension user is permitted use EBO function, the authorized user can interpose a busy line by following method.

Format 2: **# * 0 MN** 强插外线（监听外线通话）

MN = CO line jack number = 01 ~16

Description: Authorized user (superior) can interpose a busy line.

Example: Extension 8003 wants to interpose line 4 even it is busy.

Operating: Lifts 8003⟶Input # * 0 04⟶Access line 4 after two seconds.

This superior can monitor line 4 and he can interpose if necessary, however, we are irresponsible for any result from use this function.

5.3 Monitoring and Recording Function 监听和录音功能

5.3.1 CO Line is Monitor Recorded (Permit / Forbid) 监录外线设置

Format 1: *** 46 MN A # (For certain CO line)** 设置监录外线**MN**的通话内容
Format 2: *** 46 A # (For all CO lines)**设置是否监录全部外线的通话内容
MN = CO line jack number = 01 ~ 16
A = 0 = Forbid
A = 1 = Permit
Description: Assign whether monitor record certain CO line.
Calls which through this permitted line will be recorded.
Example: Permit monitoring and Recording CO line 03 and 12.
Operating: Input * 46 03 1 # → 12 1 #

5.3.2 Extension is Monitor Recorded (Permit / Forbid)

设置是否监录分机**ABCD**的通话内容
Format 1: *** 45 ABCD M # (For certain extension)**
Format 2: *** 45 A # (For all extensions)**
ABCD = Extension number
M = 0 = Forbid
M = 1 = Permit
Description: Assign whether monitor record certain extension.
Calls which through this permitted extension will be recorded.
Example: Permit monitoring and Recording extension 8013 and 8126.
Operating: Input * 45 8013 1 # → 8126 1 # ;

1. Model TC-208AC / 308AC don't support above functions.
2. These functions are ineffective for internal call.
3. Only one CO line (or one extension) can be monitored and recorded at the same time.
4. Should use our **PC Voice Record Software** for recording.
5. We are irresponsible for any result from use this function.

5.4 Extension is Permitted Use Certain CO Line Only

设置分机**ABCD**只能使用外线**MN**呼出
Format : *** 41 MN ABCD #**
MN = CO line jack number = 01 ~ 16
ABCD = Extension number
Description: The assigned extension is permitted use only designated CO line to make external call.
Example: Input *** 41 04 8013 #** can assign extension 8013 is permitted use only CO line 4.

1. Any incoming call can be transferred to this assigned extension, and this extension user can pick up any incoming call.
2. This extension can have only one CO line to make external call.
3. The last setting will replace the previous one
4. Following are **cancelling formats**:
   *** 43 ABCD # (For certain extension)**取消分机**ABCD**只能使用某外线呼出
   *** 43 # (For all extensions)** 取消全部分机只能使用某外线呼出的限制

5.5 Exclusive CO Line of Superior Extension设置外线MN只能给分机ABCD呼出

Format : *** 42 MN ABCD #**

MN = CO line jack number = 01 ~ 16

ABCD = Superior's extension number

Description: The superior has exclusive CO line which is forbidden used by normal extension users, moreover, this superior can use other CO lines also. Each exclusive line can be shared by up to four superior extensions.

Example: Input *** 42 13 8008 #** can assign CO line13 as exclusive line for superior whose extension is 8008.

Input *** 44 13 #** can cancel above setting.

Following are **cancelling formats**:

*** 44 MN # (For certain CO line)**取消外线**MN**的专线功能

*** 44 # (For all CO lines)**取消全部设为呼出专线的外线

5.6 Extension and CO Line Groupings 中继群组管理(分机和外线群组)

5.6.1 Extension Groupings 分机群组

Format 1: *** 47 ABCD G # (Distribute certain extension to a Group)**

1. 设置分机**ABCD**为群组**G**内成员

Format 2: *** 47 G # (Distribute all extensions to a Group)**

2. 设置全部分机为群组**G**

ABCD = Extension number

G = Group number = 0~9

Example: Distribute extensions 8006/8007/8008 to group 1, 8009/8010 to group 2.

Operating: Input * 47 8006 1 #⟶8007 1 #⟶8008 1 #⟶8009 2 #⟶8010 2 #

1. Different groups can share same extension by *** 47 ABCD G1 G2 #.**
2. **Input format * 47 0 # can clear old settings.**
3. Allows continue inputting same parameters behind *47, but need to input * to start a new setting in case has wrong programming.
4. Members in different group can make internal call with each other, but they can only use CO line in their group. **(refer 5.7)**
5. Call can be transferred between different group, but **Call Pickup** code is different **(refer 6.1.2).**
6. Factory default setting, G = 0.

5.6.2 CO Line Groupings 外线群组

Format 1: *** 48 MN G # (Distribute certain CO line to a Group)**

1. 设置外线**MN**为群组**G**内成员

Format 2: *** 48 G # (Distribute all CO lines to a Group)**

2. 设置全部外线为群组**G**

MN = CO line jack number = 01 ~ 16

G = Group number = 0~9

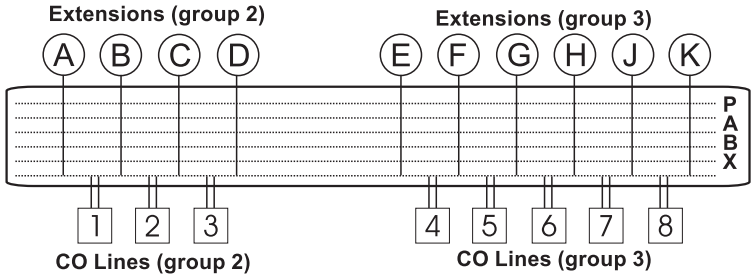
Example: Distribute CO line 08/ 09/10/11 to group 2.

Operating: Input * 48 08 2 # ⟶09 2 #⟶10 2 #⟶11 2 #

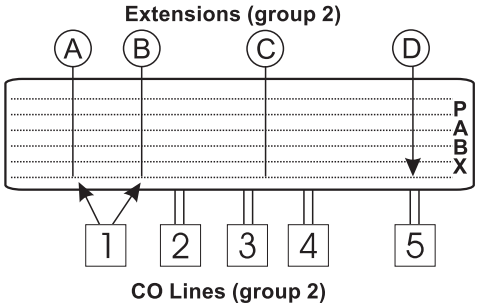
1. **Input format * 48 0 # can clear previous setting.**
2. Factory default setting, G = 0.

5.7 Application of Function 5.4 / 5.5 / 5.6.中继分组和中继群组的应用分析

Example 1: Group 2 whose extensions are A/B/C/D and CO lines are 1/2/3 which mean extensions A/B/C/D are permitted use only lines 1/2/3 to make external call.
Group 3 whose extensions are E/F/G/H/I/J/K and CO lines are 4/5/6/7/8 which mean extensions E/F/G/H/I/J/K are permitted use only lines 4/5/6/7/8 to make external call.
Members in different group can make internal call with each other or transfer call .



Example 2: Group 2 whose extensions are A/B/C/D and CO lines are 1/2/3 /4/5. CO line 1 is exclusive line of extension A and B, extension D is permitted use only CO line 5 to make external call.



5.8 Front Digits of Phone Number Management 外线号码字头管理

5.8.1 Forbidden Phone Number 加入限制呼出的字头

Format : *** 57 G ABCD #**
G = Group = 1~ 6
ABCD = Front digits of forbidden phone number
Description: Phone numbers with these front digits are forbidden.
Example: Assign front digits 0/168 to group 1 (G=1), and 13/9 to group 2 (G=2).
Operating: Input * 57 1 0 #⟶168 #⟶* 57 2 13 #⟶9 #

5.8.2 Permitted Phone Number 加入特许拨号字头

Format : *** 57 G ABCD #**

G = Group = 7 ~ 9

ABCD = Front digits of permitted phone number

Description: Only permit dail phone numbers with these front digits.

Example: Assign front digits 0757 / 010 to group 7 (G =7), and 200 to group 8.

Operating: Input * 57 7 0757 #⟶010 #⟶* 57 8 200 #;

Each group can have up to twenty pieces front digits and maximum of four digits for each piece.

5.8.3 Clear Group of Front Digits 清除某组字头

Format : *** 57 G #**

G = Group = 1 ~ 9

5.9 Extension Class Assignment 分机等级管理(呼出等级管理)

5.9.1 Class Assignment for Certain Extension 设置分机**ABCD**的呼出等级

Format 1: *** 51 ABCD M # (First class)**第一等级

Format 2: *** 52 ABCD M # (Second class)** 第二等级

ABCD = Extension number

M=0=Permitted to make internal call only

M=1 ~ 6=Phone numbers with front digits in group 1 to 6 are forbidden.**(5.8.1)**

M=7 ~ 9=Permit to call phone numbers with front digits in group 7 to 9 only.**(5.8.2)**

M= 91=Call operator as soon as off-hook, no need any dialing.

M= 92=Permit to call phone numbers in memory only **(refer 4.2.4 / 4.3.3)**

*Example 1:*Assign M=2 for the **first class** of extension 8011, and M=3 for 8016, then extension 8011(or 8016) is not allowed to make calls whose front digits in group 2 (or 3) which has been assigned by above **5.8.1.**

Operating: Input * 51 8011 2 # ⟶ 8016 3 #;

Example 2: Assign M=7 for the **second class** of extension 8035, and M=8 for 8118, then extension 8035 (or 8118) is permitted to make calls whose front digits in group 7 (or 8) only which has been assigned by above **5.8.2.**

Operating: Input * 52 8035 7# ⟶8118 8 #;

5.9.2 Class Assignment for All Extensions 设置全部分机的呼出等级

Format : *** 54 M # (First class)** 第一等级

*** 55 M # (Second class)** 第二等级

M is the same as 5.9.1.

Example 1: Assign M=3 for the first class of all extensions.

Operating: Input * 54 3 #

Example 2: Assign M=1 for extensions 8008 / 8012, M=7 for 8015 / 8016/ 8018, M=2 for others.

Operating: Input * 54 2 #⟶ * 518008 1 #⟶* 518012 1 #⟶* 518015 7 # ⟶8016 7 #⟶8018 7 #.

We can do assignment for the most extensions first, see *54 2# in above example 2.

5.9.3 Cancelling Class Assignment 取消呼出等级限制

Format 1: *** 53 ABCD # (For certain extension)**取消分机**ABCD**的呼出限制
Format 2: *** 53 # (For all extensions)** 取消所有分机的呼出限制
ABCD = Extension number.
Example: Cancelling class assignment of extension 8015.
Operating: Input * 53 8015 #;

5.10 Application of Function 5.8 and 5.9. 呼出等级的应用分析

Example: Assign front-digits 0 / 168/ 13 to group 2;
Assign front-digits 9500 / 193 to group 3;
Assign front-digits 0757 / 020/ 010 to group 7;
Assign front-digits 133 / 130 to group 8;

Various combination examples as follow:

A. First class of extension A is M=2, second class is not set, which means user A is not allowed to make calls whose front digits are 0 / 168 / 13.
B. First class of extension B is M=2, second class is M=3, which means user B is not allowed to make calls whose front digits are 0 / 168 / 13 / 9500 / 193.
C. First class of extension C is M=7, second class is not set, which means user C is permitted make calls whose front digits are 0757 / 020/ 010 only.
D. First class of extension D is M=7, second class is M=8, which means user D is permitted make calls whose front digits are 0757 / 020/ 010 / 133 / 130 only.

When first class of extension A is M=2, then its second class is not allowed use M=7, namely both classes either M=1~6 or M=7~9.

5.11 External Call is Time-limited 设置分机呼出限时

Format 1: *** 91 ABCD MN # (For certain extension)**设置分机**ABCD**的呼出限时为**MN**分钟
Format 2: *** 93 MN # (For all extensions)** 设置所有分机的呼出限时为**MN**分钟
ABCD = Extension number
MN = Limit time = 01 ~ 60 minutes
Description: The line will be disconnected automatically when time is up which is only effective for external call.
Example: Assign time limit is 5 minutes for extension 8012, and 13 minutes for extension 8016.
Operating: Input * 91 8012 05 # → 8016 13 #

1. Input time by two digits, *example,* 1 minute is denoted as 01.
2. System will inform user by BEEP sounds at 15 seconds intervals in the last 60 seconds.
3. Following program for cancelling time limit.
Format 1: *** 92 ABCD # (For certain extension)** 取消分机**ABCD**的呼出限时
Format 2: *** 93 # (For all extensions)**取消所有分机的呼出限时

6.1 Answer Incoming Call 接听来电

6.1.1 By Ringing Extension 响铃分机接听来电

Description: Extension user can answer the phone by lifts ringing exension which pre-assigned for operator attendant mode purpose, however, none of extension will ring at auto-attendant mode until caller input extension number or dial related number to access operator.

6.1.2 By Non-Ringing Extension (Call Pick Up)未响铃分机代接来电

Format 1 : **# 7 (Effective for extensions in the same group)**代接呼叫群组内分机的来电

Format 2: **# 9 (Effective for any extensions)** 代接任意呼叫

Description: User can answer the phone which ringing at other extension by # 7 if extensions are in the same group, however, user should use # 9 to answer the phone if extensions are in different group.

Example: Extension A and B are in different group ringing at the same time, exension C can answer the phone ringing at A by **# 7** when C and A are in the same group; however, C will get the call ringing at B first when input **# 9** if extension jack of B is in front of A, otherwise, C will get the call ringing at A first.

6.2 Incoming Call Transferring 来电转接 (外线征询转接)

Format : **Tap hook-switch + ABCD**
ABCD = Extension number

Description: Extension A answered an incoming call and he is transferring it to extension B by tap hook-switch and input extension number of B, communication between A and B is established as soon as B lifts handset, however, A will get back to caller in case B is busy. Caller is listening music while transferring, whoever A or B is hangup the remain party will get through caller.
Different conditions would happen when extension B is free:

Condition 1: A doesn't hangup, B answer the phone within 25 seconds can build internal call with A, whoever A or B is hangup the remain party will get through to caller.

Condition 2: A doesn't hangup, B doesn't answer the phone within 25 seconds, A will get back to caller.

Condition 3: A hangup, B answer the phone within 25 seconds can get through to caller.

Condition 4: A hangup, B will stop ringing if he doesn't answer the phone within 25 seconds, then A start ringing if it is free, otherwise, the operator extension will ring. Either A or operator answer the phone within 25 seconds can get through to caller,otherwise, line will be disconnected.

6.3 3-Party Conference (1 CO & 2 Extensions) 外线三方通话(1外线与2分机)

Format : **Tap hook-switch** + * + **ABCD**
ABCD = Extension number

Description: When an extension is on the phone with external party he can add one more extension on the same line by tap hook-switch then input * ABCD (ABCD is additional extension number).

6.4 Flash Time 设置转接电话的闪断时间

Format 1: *** 83 ABCD #**
ABCD = Flash time = 500ms to 2000ms

Description: Flash Time is duration between on-hook and re-off-hook, if user doesn't off-hook when flash time is up will be regarded as hangup; if user off-hook within flash time will be regarded user is ready to transfer call **(refer 6.2).**

Example: Flash Time is 1200ms, if user doesn't off-hook after 1200ms will be regarded as hangup; if user off-hook after 1200ms will be regarded ready to make call; if user off-hook within 1200ms will be regarded ready to transfer call.

760ms is popular flash time.

6.5 Call on Holding 通话保留功能

Format: **Tap hookswitch** + # # #

Description: When extension is on the phone with external party he can put this call is on holding up to 4 minutes by tap hookswitch and input # # #, then he can do any other operating, when he input # # # again can retake holding call, also allows other extension user retake this call by # # *.

6.6 Busy Transferred 启动遇忙转移

Format: **# * 1 ABCD**

ABCD = Entrusted extension number

Description: Extension user can input # * 1 ABCD on his phone to assign calls are transferred to entrusted extension automatically when his phone is busy.

Allows serial transferring up to ten extensions,it is say, the entrusted extension can entrust other extension to answer incoming call when it is busy, and so on.

1. The last setting will replace previous one.
2. Cancelling by **# * 1 00.** 取消遇忙转移

6.7 Unconditional Transferred 启动无条件转移

Format: **# * 2 ABCD**

ABCD = Entrusted extension number

Description: Extension user can input # * 2 ABCD on his phone to assign calls are transferred to entrusted extension automatically at any time.

1. The last setting will replace previous one.
2. Cancelling by **# * 2 00.** 取消无条件转移

6.8 Call Transferred to Secretary 启动秘书转移

Format: **# * 6 ABCD**

ABCD = Secretary's extension number

Description: Superior can input # *6 ABCD on his phone to assign calls are transferred to secretary automatically, but calls can be transferred to superior after filtrated by secretary.

1. The last setting will replace previous one.
2. Only allows secretary call superior directly.
3. Support up to eight extensions use this function at the same time.
4. Have following cancelling programs:有如下取消方式

   Format 1: **# * 6 00**

   Description: Cancelling by input # * 600 on superior's extension.

   Format 2: *** 98 ABCD #** (For certain extension)

   Format 3: *** 98 #** (For all extensions)

   Description: Allows batch program by extension 8001.

6.9 Do Not Disturb (DND) 启动免打扰

Format: **# * 71**

Description: User can input # * 71 on his phone to assign his extension doesn't ring no matter any call is received and it will send busy tone to caller at that time, however, user can make calls as normal.

Input **# * 70** on user's extension can cancel DND assignment.

6.10 Extension Ring by Turns 排队功能管理 (分机轮流响铃)

Format : *** 13 MN ABCD #**

MN = CO line = 01 ~ 16

ABCD = Extension number

Description: Allows assign up to eight extensions ring by turns when has incoming call is received on CO line, system will search free extension from next one automatically when the extension is busy, while caller has to wait in case all extensions are busy.

Please clear old setting by * 11 MN # before programming 6.10.

Example: Assign extensions 8002 / 8003 / 8004/ 8005 ring by turns when has incoming call is on CO line 03.

Operating: Input * 11 03 #⟶* 13 03 8002 #⟶* 13 03 8003 #⟶* 13 03 8004 # ⟶ * 13 03 8005 #

6.11 Assign Fax Extension for Receive Fax Automatically 设置自动接收传真模式

Format: *** 27 ABCD #**

ABCD = Extension number of fax machine

Description: Assign fax machine as one extension, fax from outside can be transferred to fax extension automatically in case has fax is access on CO line at auto-attendant mode

1. When fax extension is at **Auto-Receive** mode, external caller can send fax either press Start button on his fax machine or input fax extension number before press Start.
   When fax machine is at **Manual-Receive** mode, external caller must to input fax extension number before press Start.
2. This function is only effective at auto-attendant mode.
3. **Input * 27 # can cancel receive fax automatically, then fax machine will be at manual-receive mode.** 取消自动接收传真状态**.**

6.12 External Caller Reaches Extension by One-Touch Dialing (at DISA mode)

单键呼入管理

6.12.1 One-Touch Dialing Assignment (Permitted / Forbidden)

设置电脑值班是否为单键呼叫模式

Format 1: *** 29 M #**

M=0= One touch dialing is forbidden

M=1= Permit one touch dialing and extension ring by turns in a group.

M=2= Permit one touch dialing and all extensions in a group are ringing at the same time. ***(Only model TC-2000T is support M=2)***

Description: External caller will hear outgoing message when system is at auto-attendant mode (DISA).

Example, a greet message is play: "This is A company, for the sales department press 1; service department press2; or input extension number directly ".

When caller input 1 extensions of sales department will ring by turns, (or ringing at the same time when M=2 for model TC-2000T).

Required assign extension numbers for numeric button 1~9 by following program 6.12.2 before programming 6.12.1.

6.12.2 Assign Extension Numbers for a Numeric Button

设置绑定在数字键**N**上的排队轮响分机**ABCD.**

Format : *** 150 N ABCD #**

N = Numeric button = 1 ~ 9

ABCD = Extension number

Description: Allows assign up to eight extension numbers for a numeric buttons, each button is regarded as an extension group, caller can reaches extension in each group by dial digits 1~9.

Example: Assign sales department extensions 8002 / 8003/8004 /8005 are belonged to button 1, when caller dial 1 will go to these extensions.

Operating: Input * 150 1 8002 # ⟶ * 150 1 8003 # ⟶ * 150 1 8004 # ⟶ * 150 1 8005 #

1. Extension number in each numeric button can be same.
2. When One-touch Dialing function is permitted, the assigned numeric button digit is not allowed use as beginning number of extension, otherwise, that extension number will be invalid.
3. **Suggest input * 140N # clear old setting before programming 6.12.2.**
   清除绑定在数字键**N**上的排队轮响分机**ABCD.**

7.1 Attendant Extensions Assignment 值班分机的设置

Format 1: *** 25 ABCD #** **(Attendant1, default setting is extension 8002)**
1. 设置在电脑值班状态下的第一值班分机**ABCD**
Format 2: *** 26 ABCD #** **(Attendant2, default setting is extension 8003)**
2. 设置在电脑值班状态下的第二值班分机**ABCD**
ABCD = Extension number

Description: Allows assign up to two extensions as attendant extensions for service at **auto-attendant mode**, when external caller dial 0, call will go to attendant 1, and it will be auto-transferred to attendant 2 when the 1 is busy, however, system will send suggestive message to caller when both are busy, if they have been assigned busy transferred function call will be transferred to entrusted extension automatically when they are busy.
No matter at auto-attendant or operator attendant mode, when extension caller dial 9, call will go to attendant 1, and it will be auto-transferred to attendant 2 when attendant1 is busy, however, system will send busy tone to caller when both are busy.

7.2 Ring Extensions Assignment For Operator Attendant Service 人工值班的响铃分机

7.2.1 Ringing Extensions of Certain CO Line

Format : *** 12 MN ABCD #** 设置外线**MN**在人工值班状态下呼入时响铃分机**ABCD**
M N = CO line jack number = 01 ~ 16
ABCD =Ringing extension number

Description: Assign which extensions will ring when has incoming call via certain CO line.

Example: Assign extensions 8003 and 8013 will ring when has incoming call on CO line 2.

Operating: Input * 12 02 8003 # ⟶ * 12 02 8013 #

1. Allows assign up to eight extensions are ringing at the same time for each CO line, **please input * 11 MN # to clear current setting before programming 7.2.1.**
2. Ringing extension can be selected from jack NO.001 to 128 only.
3. Please refer two batch processing ways **(7.2.3 / 7.2.4).**

7.2.2 Clear Ringing Extensions of Certain CO Lines

Format : *** 11 MN #** 清除外线**MN**在人工值班下的响铃分机**.**
M N = CO line jack number = 01 ~ 16

Example: Clear ringing extensions of CO line 3 and 15.

Operating: Input * 11 03 # ⟶ * 11 15 #

1. Input number by two digits 01~16, example, CO 3 is denoted as 03.
2. Please don't forget assign ringing extensions by programming **7.2.1** after old setting was cleared, otherwise, none of extension ring when has incoming calls.

7.2.3 Assign Parameters of CO Line (MN) the Same as CO Line (AB)

设置外线**MN**的参数与外线**AB**的参数相同

Format : *** 16 AB MN #**

AB = CO line jack number = 01~16 (Parameter has been programmed)

MN = CO line jack number = 01~16

7.2.4 Assign Parameters of All CO Lines the Same as CO Line MN

设置所有外线的参数与外线**MN**的参数相同

Format : *** 17 MN #**

MN = CO line jack number = 01~16 (Parameter has been programmed)

7.3 Answering Mode Assignment 值班方式管理

7.3.1 Operator Answering Mode 人工接听模式

Format 1 : *** 21 # (All CO lines at Operator Answering mode)**所有外线人工值班

Format 2 : *** 21 MN # (Certain CO lines at Operator Answering mode)** 外线**MN**人工值班

Description: Operator lifts ringing extension can answer incoming call.

When need to assign some CO lines at operator answering mode, we can assign all CO lines at auto-attendant mode first by *** 20 #**, then assign operator answering mode for certain CO lines by ***21 MN #**.

7.3.2 Auto-Attendant Answering Mode 电脑值班模式

Format 1 : *** 20 # (All CO lines at Auto-attendant Answering mode)**所有外线为电脑值班

Format 2 : *** 20 MN # (Certain CO lines at Auto-attendant Answering mode)**外线**MN**为电脑值班

Description: External caller will hear outgoing message (OGM) when he enter line which is at auto-attendant service mode, none of extension ring until he input extension number or call operator.

When need to assign some CO lines at auto-attedant answering mode, we can assign all CO lines at operator answering mode first by ***21#**, then assign auto-attendant mode for certain CO lines by *** 20 MN #**.

7.4 Outgoing Message (OGM) For Auto-Attendant Service 电脑值班

7.4.1 OGM Recording 录制电脑值班状态下的提示语音

Format : *** 22 N #**

N = 1 = OGM 1 = 30seconds
N = 2 = OGM 2 = 15 seconds
N = 3 = OGM 3 = 15 seconds

Description: Allows record up to three pieces OGM for auto-attendant service. Following examples of OGM which is played in different conditions:

OGM 1: "This is A company, for the sales division, press 8003; for the service division, press 8006; for fax, press 8008; to call operator, press 0 ".

OGM 2: "Sorry the extension you dialed is busy, please dial another extension or dial 0 for operator (or dial 9 to leave a message)".

OGM 3: "Sorry the extension you dialed is not answering, please dial another extension, or dial 0 for the operator (or dial 9 to leave a message) ".

1. Recording by high quality handset in quiet environment can get better timbre, A beep tone indicates user can start recording and the last recording will replace the old one.
2. Has pre-recorded message OGM 2 and OGM 3, user can override them if he wants to record by himself, however, original message cannot be restored as soon as it is overrided.

7.4.2 Listen Recorded Message 检查录音效果

Format : *** 23 N #**

N = 1 = Listen OGM 1
N = 2 = Listen OGM 2
N = 3 = Listen OGM 3

Description: Allows to play back recorded message to verify its performance.

7.5 Service Mode Changed Assignment 值班模式转换

7.5.1 Time Service Mode Changed 设置值班方式分时段自动转换(日夜值班)

Format : *** 87 AB CD EF GH M # (Period 1)** 设置第一组转换时间格式
*** 88 AB CD EF GH M # (Period 2)** 设置第二组转换时间格式

AB CD = Start time
EF GH = End time
M = 1 = Auto-attendant mode
M = 0 = Operator attendant mode

Example: Assign system is at operator service mode in 8:30am ~ 12:00am and 13:30pm ~ 17:30pm, other times at auto-attendant service mode.

Operating: Input *87 08 30 12 00 0 # ⟶ * 88 13 30 17 30 0 #

1. Input time by two digits, example 8:00 am is denoted as 08.
2. Here attendant extension is as same as pre-assigned **(refer 7.1)**
3. Please ensure system time is correct in order time service changing is works normal (refer 8.4).
4. System attendant mode will be restored to old setting by following cancelling program: 取消值班方式分时段自动转换
   *** 87 # (Cancel Period 1)** 取消第一组转换时间格式
   *** 88 # (Cancel Period 2)** 取消第二组转换时间格式

7.5.2 Day Service Mode Changed 设置值班方式分日自动转换

Format : *** 89 1 A M # (Day 1)**设置第一个转换日格式
*** 89 2 A M # (Day 2)** 设置第二个转换日格式
A = Day = Monday to Sunday = 1 to 7
M = 1 = Auto-attendant service
M = 0 = Operator service

Example: Assign system is at auto-attendant mode on Saturday and Sunday, other days at operator service mode.

Operating: Input * 89 1 6 1 # → * 89 2 7 1 #

1. Allows combine function of **7.5.1 and 7.5.2** in practice, *example:*
   Saturday and Sunday: Auto-attendant service mode.
   Monday to Friday: Operator service mode in 8:00am ~12:00am and 13:30pm ~17:30 pm, other times at auto-attendant service mode.
2. System service mode will be restored to old setting by following cancelling program: 取消值班方式分日自动转换
   *** 89 1 # (Cancel Day 1)** 取消第一个转换日格式
   *** 89 2 # (Cancel Day 2)** 取消第二个转换日格式

7.5.3 Cancel All Settings of Service Mode Changed 取消全部自动转换

Format : *** 89 3 #**

This program will cancel programming of **7.5.1 and 7.5.2,** then system service mode will be restored to old setting.

7.6 Extension Number Management 分机号码管理

7.6.1 Define Four Digits for All Extension Numbers 全部分机号码定义为四位数

Format : *** 7 2 00 #**

Description: When user needs to change all extension numbers to four digits, he can make two or three digits extension numbers invalid and only reserve four digits by this program, then assign new extension numbers to 4 digits by programming of four digits extension numbers by programming **7.6.5.**

7.6.2 Extension Number Length Assignment 分机号码长度设置

Format 1 : *** 72 A M #** 设置以数字**A**开头的分机号的长度为**M**位

A = Beginning number of extension number = 1 ~ 8

M = Extension length (digits) = 2,3,4

Description: Needed to define length of extension number before assign extension numbers.

Example: Assign two digits for extension number of beginning 3, and three digits for extension number of beginning 6.

Operating: Input * 72 3 2 # ⟶ * 72 6 3 #

Format 2 : *** 74 A M # (Batch Change Extension Number and Its Length)**
批量更改分机号码及其长度**(**位数**)**

A = Beginning number of extension number = 1 ~ 8

M = Extension length (digits) = 2 / 3 /4

Example: Change length to three digits for extension number of beginning 8, have following operatings for reference:

Operating A: Use format * 72 8 3 # to assign three digits for extension number of beginning 8 first, then use format * 7 ABC abcd # to change extension number one by one, this is the slowest operating way, we recommend use batch processing way to increase efficiency as following:

Operating B: Use format * 72 8 3# to assign three digits for extension number of beginning 8 first, then input format * 74 8 3 # can change extension number from 8001 to 801, 8002 to 802 .....8099 to 899, 8100 to 100, 8101 to 101 automatically.

1. All extension numbers are four digits at factory setting.
2. Different extension numbers can have same length.
3. Use 9 as beginning number is unallowable as it used for call operator.

7.6.3 Restore All Extension Numbers 恢复全部分机号码

Format : *** 7 000 #**

Description: Restore all extension numbers to factory setting 8001 ~8240.

7.6.4 Clear All Extension Numbers 清除全部分机号码

Format : *** 71 00 #**

7.6.5 Extension Number Assignment 更改**ABC**端口的分机号为**abcd**

Format 1 : *** 7 ABC abcd #**

ABC = Extension jack number = 001 ~ 240

abcd = Extension new number

Description: Allows change extension number for certain jack.

Example: Change extension number to 638 for jack 004 / to 33 for jack 015 / to 8168 for jack 109.

Operating: Input * 7 004 638 # ⟶ * 015 33 # ⟶ 109 8168 #

Format 2 : *** 7 3 AB # (Batch Change Beginning Number A Into B)**
将分机号码字头从**A**更改为**B (**批量更改**)**
A = Beginning number of extension number = 1 ~ 8
B = Beginning number of extension number = 1 ~ 8
Example: Change beginning number from 8 to 6 for all extension number, following operatings for reference:
Operating A: Use format * 7 ABC abcd # to change number one by one, this is the slowest operating way, we recommend use batch processing way to increase efficiency as following:
Operating B: Use format * 73 8 6 # change beginning number 8 into 6 automatically.

1. Please clear all extension numbers by programming **7.6.4** first to avoid new extension number is conflict with the old one because same extension number is unallowable .
2. Extension number can be assigned from 10 ~ 8999 freely, but 0, 9 or outward code as beginning number are unallowable.
3. Needs to use extension jack number when change extension number, user can know extension jack number by programming **7.9.**

7.7 Extension Password Management 分机密码锁管理

7.7.1 Extension Password Assignment 更改个人分机密码锁(分机密码设置)

Format: **# * 5 abcd ABCD**
abcd = current password
ABCD = new password

Default password is 1234 suggest change password before using.

7.7.2 Restore Extension Password to Factory Setting 恢复分机密码

Format 1: *** 94 ABCD # (For certain extension)**恢复分机**ABCD**的个人分机密码
Format 2: *** 94 # (For all extensions)** 恢复全部分机的个人分机密码
ABCD = Extension number
Example: Extension 8027 user is forget his password, but the password can be restored to 1234 with the help of administrator.
Operating: Input * 94 8027 #

Restore password with the help of administrator by extension 8001.

7.7.3 Lock Extension by Password 个人分机上锁

Format: **# * 3 ABCD**
ABCD = Extension password
Description: User can lock extension by input this format on his phone.

7.7.4 Unlock Extension Password 个人分机开锁

Format: **# * 4 ABCD**

ABCD = Extension password

Description: User can unlock extension by input this format on his phone.

7.8 Factory Settings (Default) 恢复出厂状态

Format : *** 6 000 #**

Description: All data can be restored to factory setting except followings:

1. Outside line connection assignment (CO parameters).
2. Extension number parameters.
3. Call bill memory.

Some factory settings for your reference as following:

No	*Function*	*Default Setting*
1	Service mode	Operator attendant
2	Ringing extensions	8001 / 8002 / 8003 / 8004
3	Attendant extensions for auto-attendant	8002 / 8003
4	Access CO line mode	Dial 0 or select CO line
5	Caller ID signal	Adapt with FSK, DTMF
6	Hookswitch flash time	760ms

7.9 Report Extension number and its Port Number 自查分机号

Format: **# * 9**

Description: System will report extension number and its port number afer user input this format on his extension.

8.1 Remote Programming 远端编程

Format : **Tap hookswitch + # * # ***

Description: Allows an extension user to program a PABX system that is using in different place which can supply a convenient and high-efficiency service for PABX end user.

Example: When you encountered puzzle on system programming, you can solve it with the help of your dealer *(herein after named Service Center)*by their remote programming.

Operating: 1. Call to service center by your extension 8001.
2. Tap hook-switch as soon as call is get through to service center, they are listening music while you hear internal dial tone.
3. Input # * # * on your phone can restore talk with service center.
4. Technician who in service center can program your PABX by his phone according your necessary.
5. Please hangup your extension 8001 after complete setting.

1. You must to call service center by your extension 8001.
2. When your call is get through to service center, technician can start program for your machine need not input system password.
3. Also allows technician call you, just need to transfer his call to your extension 8001 can start remote programming.

8.2 Verify External Inputted Music 检查(监听外置音乐)

Format : *** 24 #**

Description: User can verify external inputted music performance.

1. Has a volume switch can adjust holding music, sometimes mute is caused by the volume is adjusted to minimum.
2. Verifying just for reference, real timber should be verified in practise.

8.3 Change System Time 更改系统时间

Format 1: *** 95 1 YY MM DD W # (Change Year,Date, Week)**
Format 2: *** 95 2 HH NN # (Change Hour, Minute)**
YY = Year MM = Month
DD = Date W = Week = Monday ~ Sunday = 1 ~ 7
HH = Hour NN = Minute
Description: In order call bill memory of system can store bills normally even computer is closed, please adjust system time properly.
Example: Assign system time is at 15:20pm on Aug 13, 2006 (Sunday).
Operating: Input * 95 1 06 08 13 7 # → * 95 2 15 20 #

1. Denotes date and time by two digits, *example:* June is denoted as 06.
2. Use 24 hours to denote time, *example:* 4:00pm is denoted as16.
3. Monday to Saturday is denoted as 1 ~ 6, Sunday is denoted as 7.
4. When power failure over 24 hours, time may becomes inaccurate, suggest re-set system time when power is restored.

8.4 Charge Mode for Billing 设置计费模式

Format 1: *** 85 0 MN # (Delay Detection Charge Mode)**延时计费格式
Format 2: *** 85 1 # (Polarity Reverse Detection Charge Mode)** 反极计费格式
MN = Delay duration = 10 seconds to 60 seconds
Description: ***Delay Detection Charge Mode:*** System will start charge when the time is up even called party is not answer.
Polarity Reverse Detection Charge Mode: System will not charge until called party is answer.

Normally, user needs to apply Polarity Reverse Detection signal from telecom provider first, details please inquire your local provider.

8.5 Billing Memory Cleared 删除话单储存器中储存的话单

Format 1: *** 96 00 #**
Description: Allows store up to about 2,500 pieces bills when computer is closed the recorded bill will be transferred to computer automatically as soon as PC Billing Software is running.
Suggest upload bills to computer regularly to avoid memory is full.
Use this program to clear useless bills cause by debugging, bills can not be restored once it is cleared.

8.6 Pulse and Tone Mode Setting 音频和脉冲模式设置

Format : *** 28 M #**
M = 0 = Tone mode (factory setting)
M = 1 = Pulse mode
Description: User should assign pulse mode for CO line when local signal is pulse.