

# PABX

## User Manual



### Caller ID PABX telephone switch

MODEL: TC-104	TC-104C
TC-106	TC-106C
TC-108	TC-108C

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## 1. Frequent operation

**Make external call:** Direct dial external number

( If has been assigned IP code, system will add IP code automatically).

**Call transferred:** Dial extension number directly ( default is 801 to 808).

**Make internal call:** Press \* first, then dial extension number.

**Make external call by code ( code dialling):** Press \* 01 first, then dial code of external number ( Code is start from 01 to 99)

## 2. Brief introduction

Thank you for use our products, please study this manual carefully before using.

## 3. Product structure, installation and connection

3.1 There are having two holes in the plastic shell bottom for wall mount.

You can learn machine live time work state by power LED under speaker grille. When machine is electrified, power LED will be flash that indicates machines works normally, when machine is at await mode, if power LED is keep lighting or lightless that indicates machine has fault, please disconnect power to check.

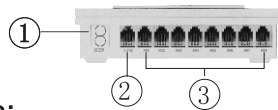
3.2 Please install this machine in the place where is dry, ventilated and steady, keep away from thermal and magnetic interfere.

3.3 There is has one LINE port for connect with external line, have eight extension ports for connect with extension lines, it is workable as soon as electrified.

Keep away from AC power source when install the telephone cables, Please ensure connection at well condition, otherwise, would occurs noise or communicate interrupt.



Left side view



Back side view

### Part Name:

- ① Power socket
- ② CO line port
- ③ Extension port of 801 to 808

## 4. Operating

### 4.1 Make external call

#### 4.1.1 Make external call directly

Lift up handset, dial external call number directly when hear dial tone.

#### 4.1.2 Assistant dialling

Format: **# \* ABC**

**ABC = Extension number** ( Default number is 801 to 808)

*Description:* Assistant can initiate an external call, then transfer it to manager.

*Example:* Suppose manager extension number is 801, assistant extension is 802, manager ask assistant help to dial external call 86692066.

*Operating:* When assistant is get external line 86692066, she inputs **# \* 801**, the call will be transferred to manager, external callee is at music on holding mode, manager extension 801 will ring, he lifts up handset can build communicate with external callee.

#### 4.1.3 Make external call by code ( Code dialling)

*Description:* Allows authorized user store often use external call number to main system ( maximum of 99 pieces numbers can be stored, and maximum number length is 24 digits), therefore, user can make external call speedy by just input **\* 01 MN #** (MN is code of corresponding CO line number that has been pre-stored), this way can highly increase work efficiency.

##### 4.1.3.1 Assign corresponding code of external number

Format: **\* 09 MN ABCD #**

MN = Code = 01~99

ABCD = External number (less 24 digits)

*Example:* Extension 803 wants to assign code 23 is corresponding with external number 008675786692066.

*Operating:* 1) Lifts up extension 803, after hear internal dial tone,  
2) Input **\* 09 23 008675786692066 #** ;  
3) Music is heard indicates storage has succeed.

##### 4.1.3.2 How to make external call by code

Format: **\* 01 MN #**

MN = Code = 01~99

*Example:* Extension 803 wants to call external number 008675786692066 that is corresponding code 23.

*Operating:* 1) Lifts up extension 803, after hear dial tone,  
2) Input **\* 01 23 #**

### 4.1.3.3 Cancel certain code

Format: **\*09 MN #**

MN = Code = 01~99

*Example:* Extension 803 wants to cancel code 23 that is corresponding with external number 008675786692066.

*Operating:* 1) Lifts up extension 803, after hear internal dial tone,  
2) Input \* 09 23 #;  
3) The corresponding external number 008675786692066 will be cancel after that.

### 4.1.4 Make internal call

Format: **\*ABC**

ABC = Extension number

*Description:* Allows extension to make free charge internal call between each other, because extension will priority enter external line as soon as user lifts up handset, therefore, user must dial \* first to get internal dial tone, then input extension number. When is making internal communicate, system will send BEEP tone to indicate extension when there is has external call comes, at this time, extension finish internal call and hang up, extension will ring, lifts up handset can get external call.

This feature can make you do not lose important call.

## 4.2 Answer external call

### 4.2.1 Answer external call by ringing extension

When at operator attendant mode, the pre-set ringing extension will ring when there is has external call is comes, lifts up ringing extension can answer it.

When at auto-attendant mode, extension will not ring until external caller dial his desired extension number after hear outgoing message(OGM).

### 4.2.2 Answer external call by non-ring extension

When there is has external call comes or when call is transferred, also allows lift any non-ring extension directly to answer external call.

### 4.2.3 Transfer external call to another extension

Format: **ABC**

ABC = Desired extension number

*Description:* Allows an extension to transfer a received external call to another extension.

Have three different cases when extension A is transfers an external call to extension B.

1. Extension A does not hang up, extension B does not lifts handset. Ext.A is listen ringing, Ext. B is ringing, external caller is put on hold with music, Ext. A will be reconnected to external caller if Ext. B does not answer the external call within 30 seconds.

2. Extension A does not hang up, extension B lifts handset.  
Communication between A and B is established, the external caller is put on hold with music, whoever hangs up ( A or B), the system will transfer the external call to the other.
3. Extension A is hangs up after transfer external call to extension B.  
Ext. B is ringing, external caller is put on hold with music, Ext.B lifts handset can establish communicate with external caller; if Ext.B does not answer within 30 seconds, Ext.A will ring, lifts handset can talk with external caller or make call transferred.  
If Ext. A does not answer within 30 seconds, the external call will be released.

### 4.2.4 Party conference ( between 2 extensions and 1 C.O line)

Format: **Press any key for 2 seconds**

Description: Allows an extension on an external call to add another extension for a 3 parties conference call.

Operating: Extension A is transfer an external call to extension B, when extension A is talking with extension B, external caller is put on hold with music, whoever ( A or B) press any key for 2 seconds, will add external caller to establish 3 parties conference.

## 5. Function program

### Attentions:

1. System programming can only be performed by extension 801 (port 1).
2. Extension telephone must be at DTMF mode.
3. After programming a system setting, a long confirmation tone is sent indicates that the system setting has been successful.  
A series of short BEEP tone is sent indicates that the system setting was unsuccessful. Please check or reset the unit.

## 5.1 Attendant mode assignment

### 5.1.1 Operator attendant

Format: **\* # 2100**

*Description:* All extensions will ring when has external call on CO line, pick up ringing extension can answer the call directly.  
The extension has been assigned Do Not Disturbed function will not ring when has external call comes.  
At default mode, extension 801 to 808 will ring at the same time, if necessary, you can use Do Not Disturbed function to make certain extension(s) will not ring.

### 5.1.2 Auto-attendant

Format: **\* # 2000** ( this feature is only for model TC-104C/106C/108C)

*Description:* Non of extensions will ring, external caller is listening outgoing message ( OGM ), caller can dial desired extension number, the corresponding extension will ring, pick up that extension can answer the call.  
If external caller input 0, his call will go to extension 802, if extension 802 will not answer within 30 seconds, the line will be released automatically.

### 5.1.3 Outgoing message record ( OGM)

Format: \* # 2200 ( this feature is only for model TC-104C/106C/108C)

*Description:* User can record 10 seconds outgoing message that is played when an external call access at auto-attendant mode.

*Example:* This is A company, for the sales division, press 802, service press 805, fax press 803, to call operator, press 0.

*Operating:* A BEEP tone is heard after input format \* # 2200 at the beginning, and another BEEP tone to end of recording.  
Limitless times to record message, new message overwrite old message, please recording in the quiet surrounding by high quality telephone, require lifts up handset when record.

### 5.1.4 Outgoing message playing

Format: \* # 2300 ( this feature is only for model TC-104C/106C/108C)

*Description:* Listen recorded outgoing message to appraise it.

## 5.2 Assign if extension ring when external call is comes (at operator attendant mode)

Format: \* # 1 N 00 ( assign extension ring )

Format: \* # 1 N 10 ( assign extension non-ring )

N = Extension port number = 1 to 8 = 801 to 808 (default)

*Description:* Allows user assign if extension ring or not when external call is comes. ( also allows lift non-ring extension to answer external call )

*Example:* Assign extensions that corresponding with port 6, 7, 8 will not ring, others will ring when has external call.

*Operating:* 1) Lifts Ext. 801, input \* # 1 6 10, hang up after hear BEEP tone.  
2) Lifts Ext. 801, input \* # 1 7 10, hang up after hear BEEP tone.  
3) Lifts Ext. 801, input \* # 1 8 10, hang up after hear BEEP tone.

Also allows continued programming, will not hang up until finish setting.

## 5.3 Extension outgoing call restricted

### 5.3.1 International call restricted

Format: \* # 4 N 30

N = Extension port

*Example:* Restrict extension 803 to make international call.

*Operating:* 1) Lifts Ext.801, input \* # 4 3 30, hang up after hear BEEP tone.

*Explain:* When extension is restricted international call, it can dial national call.

### 5.3.2 National call restricted

Format: \* # 4 N 20

N = Extension port

*Example:* Restrict extension 804, 805, 806 to make national call.

*Operating:* 1) Lifts extension 801;

2) Input \* # 4 4 20 --->4 5 20 --> 4 6 20;

3) Hang up after hear BEEP tone.

*Explain:* When extension is restricted national call, it can dial local call.

### 5.3.3 Local call restricted

Format: \* # 4 N 10

N = Extension port

*Description:* When extension is restricted to make local call, it will hear internal dial tone as soon as lifts handset, if need to call other extension, just need to input extension number directly. If this extension needs to make external call, he has to ask help by other extension, please refer Assistant Dialling function (4.1.2).

*Explain:* When extension is restricted local call, it cannot dial long-distance call.

### 5.3.4 Assign extension can only dial authorized number

Format: \* # 4 N 40

N = Extension port

*Description:* Extension can only dial external number with assigned head digits. Should assign head digits of authorized number for extension first, please refer program of 5.5.1

*Example:* Assign extension 803 can only dial authorized number.

*Operating:* 1) Lifts Ext.801, input \* # 4 3 40, hang up after hear BEEP tone.

### 5.3.5 Cancel extension outgoing call restricted

Format: \* # 4 N 00

N = Extension port

*Description:* Corresponding extension outgoing call restricted will be cancelled by this program.

*Example:* Cancel extension 805 long-distance call restricted.

*Operating:* 1) Lifts Ext.801, input \* # 4 5 00, hang up after hear BEEP tone.

## 5.4 Restricted head-digits of CO line number

### 5.4.1 Assign restricted head-digits

Format: \* # 5 N AB

N = Extension port

AB = Head-digits of CO line number (maximum of two digits)

*Description:* The extension is restricted to dial numbers that with these assigned head-digits.

When restricted head-digit is only one digit, please end by # instead of B, namely is input \* # 5 N A#.

Each extension can have 9 groups of restricted head-digits.



*Example:* Restrict extension 802 to dial CO line number that with head-digits 13 and 7.

*Operating:* 1) Lifts Ext.801, input \* # 5 2 13 --> 527#, hang up after hear BEEP tone.

#### 5.4.2 Cancel restricted head-digits

Format: \* # 5 N 00

N = Extension port

*Description:* This program will cancel assigned restricted head-digits.

### 5.5 Head-digits of authorized dial number management

#### 5.5.1 Assign authorized head-digits for extension that can only dial authorized number

Format: \* # 79 abcd

abcd = head digits of authorized CO number

( maximum of four digits, end by # when less four digits)

*Description:* This program is react on extension that can only dial authorized number, please refer program of 5.3.4

Each extension can have 9 groups of authorized head-digits.

*Example1:* Assign 200 as head digits of authorized CO number.

*Operating:* Lifts Ext.801, input \* # 79 200 #, hang up after hear BEEP tone.

*Example2:* Assign extension 803 can only dial authorized CO number with head digits 200.

*Operating:* 1) Lifts Ext.801, input \* # 43 40, hang up after hear BEEP tone;  
( refer program of 5.3.4)  
2) Lifts Ext. 801, input \* # 79 200 #, hang up after hear BEEP tone.  
( refer program of 5.5.1 )

#### 5.5.2 Assign authorized head-digits for extension has been assigned restricted head-digits

Format: \* # 7 N abcd

N = Extension port number

abcd = head digits of authorized CO number

( maximum of four digits, end by # when less four digits)

*Description:* This program is react on extension that has been restricted to dial appointed numbers, please refer program of 5.4.1

Each extension can have 9 groups of authorized head-digits.

*Example1:* Extension 803 is restricted to dial number with head-digit 1, but this user is needs to contact with his manager whose mobile number is 1330280XXXX, therefore, we can open number with head digits 1330 for it even it is restricted to dial head digit 1, so this user can dial all numbers with head digits of 1330, but other numbers with head digit 1 are restricted.

*Operating:* Lifts Ext.801, input \* # 7 3 1330, hang up after hear BEEP tone.

*Example2:* Extension 804 is restricted to dial long distance call, but company has branch in different city which area code is 020, therefore, we can assign Ext.804 can only make long distance to this city, but restrict to dial other long distance number.

*Operating:* Lifts Ext.801, input \* # 7 4 020 #, hang up after hear BEEP tone. Each extension can have 9 groups of authorized head-digits.

### 5.6 Make external call by password

Format: \* # 9 abcd # ( Unlock extension by password )

Format: \* # 8 abcd # ( Change password )

abcd = Password ( maximum of 4 digits, default is 1234 )

*Description:* Permit user to dial external call by password on extension that even has been restricted.

Just need to input \* # 9 abcd # first, then input CO line number to make external call.

### 5.7 Call time limited

#### 5.7.1 Assign call time limited when extension make external call

Format: \* # 3 N AB

N = Extension port number

AB = Call time = 01 minutes to 99 minutes (default is 99 minutes)

*Example:* Assign extension 802 has maximum of 5 minutes when make external call.

*Operating:* Lifts Ext.801, input \* # 3 2 05, hang up after hear BEEP tone.

*Explain:* Just need to input new time can change last setting.

#### 5.7.2 Cancel call time limited

Format: \* # 3 N 00

N = Extension port number

*Description:* After cancel extension call time limited, the maximum outgoing call time of extension is 99 minutes.

### 5.8 IP code

#### 5.8.1 Assign IP code

Format: \* # 01 abcdef

abcdef = IP code

( when code is less 6 digits, end by # )

*Description:* Allows assign IP code for CO line.

After pre-store IP code, sytem will auto add IP code when user make long distance call, this function will increase work efficiency and save your call charge.

*Example:* Assign IP code is 17909.

*Operating:* Lifts Ext.801, input \* # 01 17909 #, hang up after hear BEEP tone.

## 5.8.2 Cancel IP code

Format: \* # 0200

## 5.9 Auto Detect Fax Signal

### 5.9.1 Assign fax extension number

Format: \* # 03 abc

abc = Fax extension number

*Description:* When system is at Auto-attendant mode, it can auto-detect if has Fax signal from CO line, as soon as detect has Fax signal (if external caller does not input number when line is get through), system will auto transfer external call to fax machine, when external caller press START to send fax, fax machine will auto receive fax message if it has been pre-assign auto-receive mode.  
This program is for assign fax machine extension number.

### 5.9.2 Cancel fax extension

Format: \* # 03 00

## 5.10 Extension number assignable

### 5.10.1 Change extension number

Format: \* # \* abc # ABC

abc = Current extension number

ABC = New extension number

*Example:* Change extension number 804 to 138.

*Operating:* 1) Lifts extension801, input \* # \* 804 # 138  
2) Hang up after hear BEEP tone.

### 5.10.2 Restore extension number

Format: \* # \* 000

*Description:* This program will restore all extension numbers to default ( 801 to 808).

## 5.11 Default setting

Format: \* # 6000

*Description:* This program will restore system program to default mode.  
Attendant mode = Operator attendant mode  
Ringing extension = Extension 801 to 808  
Extension number = 801 to 808  
Password = 1234  
Call time = 99 minutes

