
Chapter 1 System synopsis

308\832\848 hybrid type group telephone system is of three types: 308\832 and 848. The system can be used for key phones and ordinary telephones. The extension ports are compatible with Tone frequency phone. The extension ports can be connected with single line telephone as well as faxes, recording telephones, computers and wireless telephones etc.

With only a few keys you can have access to most functions of the system, such as C.O line transfer, telephone conference, broadcasting messenger call and holding. This system contains most of the function that other PABX has, such as outgoing call configuration, service grades, and computer operator, call transfer, disturbance-free, direct dialing external line etc.

The system is provided with a complete toll system, where the rate can be modified . For all the extensions, a designated extension, private code or the designated C.O line, the costs or detailed list of calls during a designated time period, can either be printed or be displayed on a key phone set. This is most suitable of the companies or hotels, which need to know the list of long-distance calls and can fees. If the system is equipped with the computer software for toll produced by our company, the call lists can be transmitted to the computer for a larger storage, dynamic display and classified printing etc.

Connected with key phone set and direct-access console, the status of C.O Lines and extensions is displayed directly. It is very easy to perform various functions, most of which can be done through one key. The key phone set displays information in double lines. It has red and green light keys and is provided with all hand free call circuit. Most of the function keys can be programmed at will to the function you need.

The functions of the system designed for ordinary telephone sets are also manifold. Expect for some Key function, an ordinary telephone set has almost as many functions as a Key telephone.

The number of extension can be set up one to four digits.

The incoming calls from C.O lines can be set up the operator mode or the auto-attendant mode. The users can record the outgoing message by him.

This system may use either a key telephone set or an ordinary telephone set as its system programming, and so it can be also used as PBX.

Please read this manual before you start to use it in order for proper use and installation. Our company shall preserve the right to modify this manual.

Function description

(1) Extension Dialing-out

◆ Ways of Outgoing

Any extension can be set in two ways for dialing-out: direct dialing and indirect dialing. Switching can be done freely between CO line and interior line.

◆ CO-line Booking

If CO line is busy and calling has to be done immediately, a booking of CO line will be done and will be clue to the current user.

◆ Management of the number for dialing out

Refers to the management of number the extension is dialing out. There are 7 levels of limitation for outgoing call, in addition to versatile management methods such as portable password and grouping of CO line, which can meet your requirement for telephone using management.

◆ Private Password Management

32 group private passwords with corresponding authorization classes are convenient for the personnel travelling frequently without using other telephones to dial domestic & local call.

◆ Calling time Management

Since that several extensions share a few of CO lines, the calling time for each extension can be controlled in order to lower the cost and prompt the efficiency.

(2) Incoming call

◆ Caller ID on operator

The incoming number can be accurately shown on the destined extension through exchange.

The problem that the incoming number calling simultaneously cannot be (correctly) shown, which is still a problem of many other types of exchange, has been well solved in this system. The incoming number can be only shown on the corresponding extension, with solely match of ringing, displaying and answering.

In addition, the incoming number can also be shown during computer service in the same way as the manual work.

308/832/848 is a type of exchange with the real function of incoming/outgoing displaying, which can display the extension number, transfer the incoming number time after time, and realize the incoming number displaying during computer-based service. All these functions make the query of incoming number more easily. (Optional)

◆ **Auto-attendant mode/ Operator mode**

An automatic answering system based on digital voice is equipped in this exchange system. During the work service, the message will be left through automatic answering, or will be informed to connect other telephone or communicating equipment. For manual work, if there is an incoming call, the user can ring several extensions simultaneous, Any incoming call can be dealt with computer-based or manual service, which is not necessarily matched.

◆ **Incoming-ring Setting**

In the status of manual service, if there is incoming call, some of the extensions are allowed to ring. But the ring-forbidden extension will ring when calling transferring or direct dialing of the CO line is done. So that unnecessary telephone disturbance can be avoided, meanwhile ensure important incoming call not be influenced.

◆ **Specification of CO-Line Incoming Ring**

While there is an incoming call, a specific ring can be set to some of the extension. This function can be applied to special line for somebody or to FAX for automatic receive.

◆ **Transfer**

The times of extension transferring are not being limited. Even if the transferring is wrong or not answered, the calling can be continued or transferred again. If the transferring is mistaken, the calling can be sent back immediately without waiting for call back, while the extension that just hangs up can dial again at once. The methods of transferring include requesting for transferring and direct transferring.

◆ **Three—way conference**

In the circumstance of business discussion, two interior-line persons can hold a small telephone meeting with a person holding the CO line, no matter dialing in or out.

◆ **Call pick up**

The incoming call can be answered by the extension that is not ringing rather than the

ringing one, thus makes the answering more convenient.

(3) Operator function

◆ Dialing out for others

Also called as secretary telephone, refers to the function that an extension which is dialing out can signal another extension to continue the conversation. It is favorable to the busy manager or factory director who can tell the secretary to call for them. In combination with incoming-call limitation, this function can manage the whole CO line system. For example, the trunks should be registered on telephone exchange before dialing.

◆ C.O Line Reservation:

The occupying CO line can be reversed by exchange. Then another CO line can be transferred or talked by interphone, which can solve the problem that the incoming call waits long for answering or even no answer. Therefore the function of the exchange is largely extended.

The CO lines for incoming or outgoing call are both reserved.

◆ Incoming Call Informing:

When there is incoming call while all the extension that can ring is busy, the system will sound busy tone every 5s and will inform the extension by sounding 'dodo'. The informing function, in combination with the CO-line reservation and substitutive answering, enhances the function of the exchange.

(4) System Function

◆ Internal call

Several different conversations between extensions can be done simultaneously without disturbance, which does not need to pay the bill of telephone office (Internal call is for free.)

◆ Programming and password of Programming

To meet the requirements of user management, the system allows the four main telephone (telephone No.1 to No.4) to program.

◆ Immediate transfer and busy-line/no answering transfer

When this function is settled, callings to this extension (no matter interior line or CO line) can be transferred to designated extension (Immediate Transfer). If the line called is busy or not answered, the calling can be transferred to another extension. (Busy-line/no answering

transfer) This function greatly facilitates the customer and realizes the flowing office.

◆ **Free Extension Number (Flexible Codes)**

The extension number can be set from 1-8999, with indefinite units, thus realize the function that can change the extension number at will.

◆ **Extension Number Query**

The number can be shown by extension itself through incoming number displaying. (The extension must setup number-displaying function first.)

◆ **Exts groups**

Extensions can be set to 4 groups, each group is from 01 to 32 and have a programmed number. You can call groups Exts directly by dial groups number(include internal call or Auto-attendant call, there are two mode to call,that is meeting mode and normal mode.

◆ **Incoming call prompt(voice cues)**

While a Exts talking with a CO.line , a Exts or a doorphone, the other CO.line calling in or the other doorphone call in and should ring this Exts, you will hear prompts beep tone(the beep for doorphone calling and CO.line calling is different).

This function is mainly applied to the cases where the system prompts the extension user to hang up to pick up or directly switch to another call during a conversation.

◆ **C.O line Grouping**

The CO lines can be freely divided into groups. The group number is not necessarily successive. In accordance with the needs, the freely grouping can effectively realize the management of CO lines.

◆ **Priority access and monitoring**

Priority access is used to know the content of the conversation or to inform the user to finish to conversation quickly. This function is especially designed for the director or manager. So the manager or director should hold the No.1 extension. (The monitor is responsible for the legal issues resulting from this operation).

◆ **Digital Recording and Monitoring Effect**

Customers can record the conversation for certain time as required. When recording finishes, the result can be reviewed on No.1 extension or main telephone. The recording progress can be repeated until satisfied by customer.

◆ **Intelligent C.O line Connection:**

Guided by automatic recognizing principle, the CO lines, which is play and plug, can be connected to any ends of the system without setting, thus facilitate the customer's installation.

◆ **Compatible to other communicating terminals**

System can be connected with other communicating terminals such as standard telephone, computer, answering machine or cordless phone.

◆ **Inside/CO line ring's difference**

When CO line dials in, the ringing lasts two periods.
When interior line dials in, (extension dials extension), the extension will give two short continuous rings.

◆ **Direct connecting CO line when power is off**

If power is off, extensions 1,2,3,4 will automatically connect corresponding CO lines to keep contact with outside, but other extensions will be paused.

◆ **Memory function when power is off**

System can remain functions set previously when power is off, and can use previous functions without reset after electrified again. Perfect beacon age can provide many audio-signals, such as dialing tone, returning bell tone, busy tone, music tone, error tone and so on, which make user easy and convenient to use.

◆ **External music interface**

System build in the external music interface, you can use external music as the hold-music.

◆ **Remote control programming**

It can sustain remote maintenance, process remote control programming, detect and maintain, which facilitate the users to install and test, and provide quick and effective service to users.

◆ **PC setting function**

The extensions can make program setting, and also can be set by PC software, and PC can display the status of C.O lines & extensions.

◆ **Charge socket**

System had complete toll function, One thousand four hundred items of call fee can stored. If the system is equipped with computer software , the call items can be

transmitted to computer for a larger storage, display and classified printing etc.

◆ **Alarm clock function**

Can use operator or extension setting Alarm clock function. Particular is use for hotel etc.

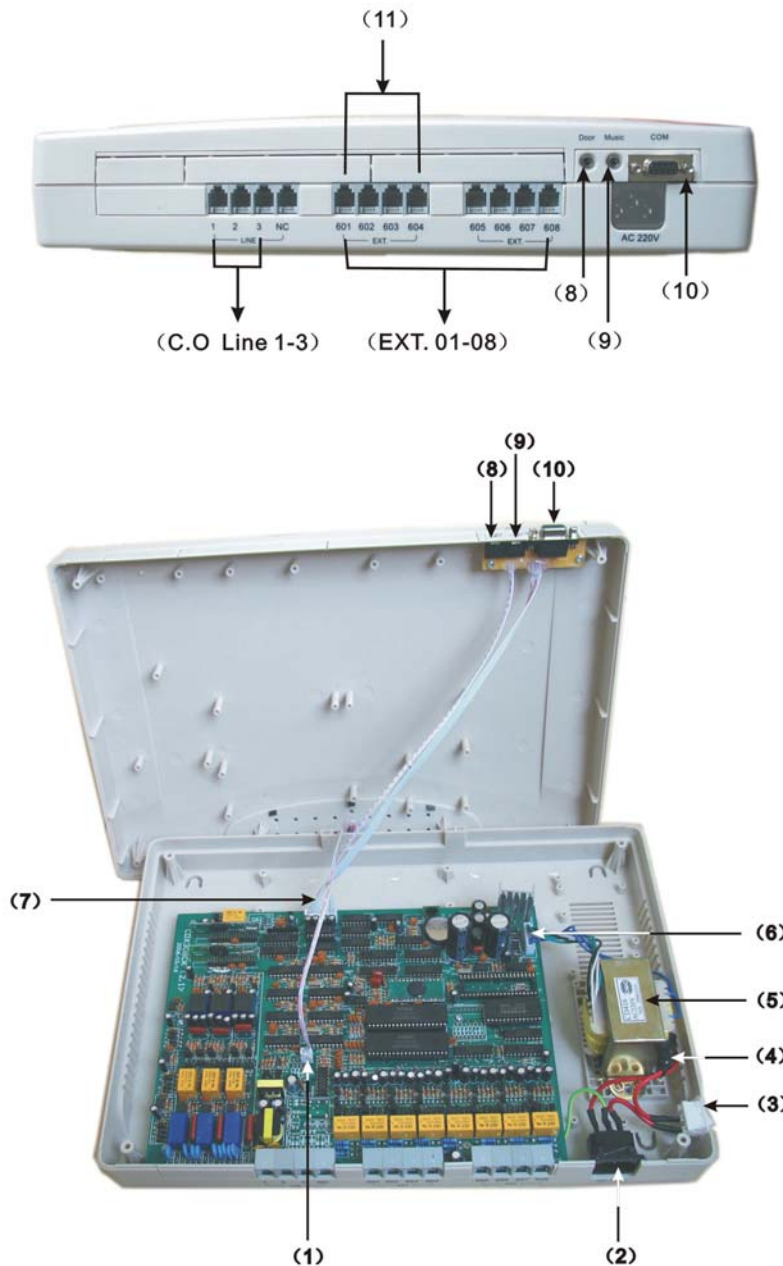
Chapter 2 Installation & Connection

Technical Parameter

Power Supply Voltage.....	AC110V-220V \pm 10%
	(switch power for 832-416)
Power Supply Voltage.....	AC110V(or 220V) \pm 10%
	(transformer for 308)
Power Dissipation.....	\leq 50W
Exchange Mechanism:	Analog spatial division
Type of Telephone.....	Dual Tone Multi-Frequency
Dialing lines.....	12
IC power supply.....	\pm 5V
Distortion.....	\leq 10%
Ring voltage.....	AC70V \pm 10% 50HZ
Cross talk attenuation.....	\geq 70dB
Transmission loss:.....	0.37 dB
Wire length for Key telephone sets.....	less than 200 m
	(two strand of twisted pair wire 0.5 @)

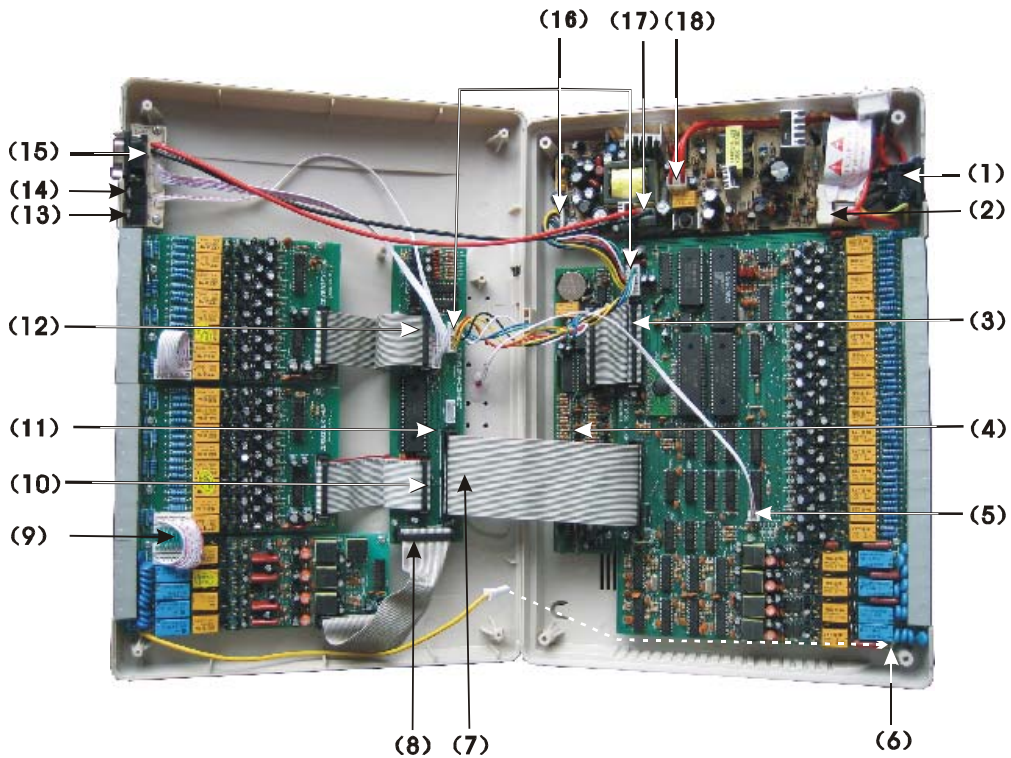
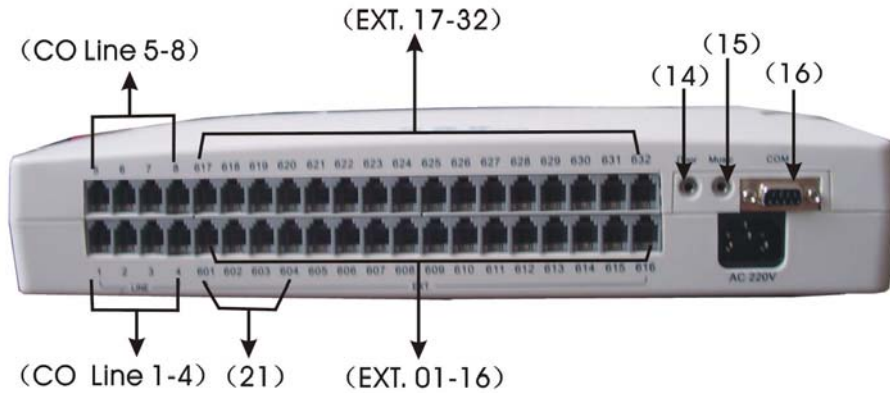
System Appearance

Type 308:



- | | | |
|----------------------------------|----------------------------|-----------------------------|
| (1) Running led interface | (2) Power supply | (3) ON/OFF switch |
| (4) FUSE:3A | (5) Transformer | (6) Main board power supply |
| (7) interface board slot | (8) Door opener interface | (9) hold Music input |
| (10) RS232(PC)&battery interface | (11) keyphone port 601-604 | |

Type 832- 416:



- | | | |
|--------------------------------|---------------------------|----------------------------------|
| (1) Power supply | (2) FUSE:3A | (3) Keyphone Function board port |
| (4) Keyphone Function board | (5) Runing led interface | (6) Ground terminal |
| (7) expand /connect board slot | (8) CO 5-CO 8 expand slot | (9) Power off interface |
| (10) Ext017-024 expand slot | (11) expand/connect board | (12) Ext025-032expand slot |
| (13) Door opener interface | (14) hold Music input | (15) RS232(PC)&battery interface |
| (16) Main board power supply | (17) battery slot | (18) ON/OFF switch |
| (19) keyphone port 601-604 | | |

Notes :

1. Model 832 is basically configured with 4 to 16 extensions, maximum 8 C.O lines and 32 extensions. Every 4 C.O lines constitute one C.O line board and every 8 extensions constitute one extension expansion board.
2. This model can be connected with 4 key telephone sets at the most, which shall be connected to the extension ports 601-604.
3. for 308 type the extension ports 601-608 reality number is 11-18(default setting);for 832-416 type the extension ports 601-632 reality number is 101-132(default setting)



832 Main Configuration

- **MAIN Board** ---- chiefly including circuitries of microprocessors, control units, switched network, serial communication interface. And including extension circuitry provides with former 1-16 extension interfaces
- **Keyphone Function board** ---- fsk/dtmf receive and sending chip inside,realize the transfer cid function. And mostly offer keyphone control units,realize keyphone fuction, and this board also include real time clock、 PC interface.
- **EXT Board** ---- extension circuitry provides with 8 extension interfaces.
- **TRK Board** ---- trunk circuitry offers 4 bidirectional trunk interfaces.
- **Normal switching power board** ---- hi-efficiency offer the system power.
- **DC-DC switching power board**----hi-efficiency ,back-up battery circuit,offer the system power.



Optional fittings

- **Battery**----inside or outside install ,voltage=12V 4Ah
- **doorphone**----stainless steel and aluminum alloy faceplate,can install outside the house,can hang or inside the wall.
- **Key Telephone(keyphone)**---with two lines multifunction LCD , 13 function keys ,12 programmable DSS KEYS and four direction Navigation key



Installation

- **Before Installation** For easy and quick installation and connection, it is strongly recommended that the user read and follow the following instruction carefully so as not to damage the system accidentally by incorrect operation.



Installation procedure

1. Connecting CO lines & extensions to the unit:

- 1). Please connect the monomer-crystal with EXT. line and CO line separately;
- 2). Make sure to avoid short circuit.
- 3). Connecting extensions according to the in-dilated extension positions and C.O lines to the corresponding line ports on the unit.

2. Zero-load power-on inspection:

- 1). The operation voltage of this product is AC80V-260V. Check out the voltage of local power supply. A UPS backup is highly recommended.
- 2). Plug in the power supply line and turn on the switch, indicating normal power supply and working state of the machine.
- 3). Pick up the handset of extension 601. A sharper internal dial tone indicates that the system is working normally. You can start to setup operation now.



Please pay attention to the important items of installation

- The telephone exchange shall be installed in a stable indoor place with dry, ventilated environment. (Temperature Range : 0°C—45°C, Humidity Range :20%—80%.Avoid straight sun shine or in the environment of flammable or caustic gas.) Special telephone wire is preferable.
- A marginal space around the exchange should be remained for heat sink, inspection and maintenance of the system.
- A wall bore is available at the underside of mainframe for wall installation. Desk installation is also admitted. But the contact of wall bolt and circuit board inside the mainframe should be avoided.
- Please keep the exchange away from other equipment producing large electromagnetic disturbance (such as motor and large transformer)
- None of the wiring of any extension should share the pipeline with power supply or antenna. Neither should the extension be close to antenna for air broadcasting

(including short-wave). Avoid damaging the power-supply cable. Keep it away from water. Encountering the leakage of water cut off the power immediately.

- Please don't impact or shake the exchange at any situation. Don't remove the exchange in working status.

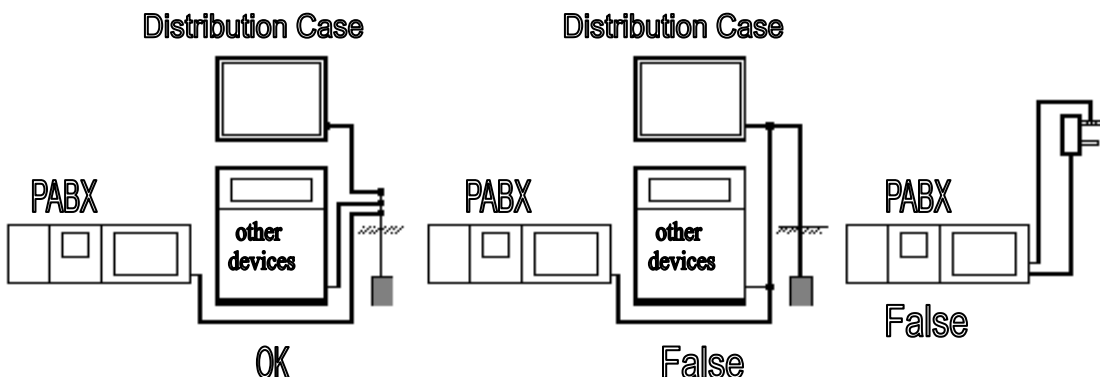
Warning

- The wiring should not be done in thundering.
- Avoid using telephone in thundering.
- Please don't use the telephone in flammable and leaking gas environment.
- Unless the equipment is disconnected, please don't touch the broken part of the wiring or any connection ends.

Ground Connection

- For the sake of personal safety and communication quality, grounding of PABX should be reliable. Or else, the lightning-proof device inside would fail to work.
- Resistance to ground should be less than 5 ohm.

Grounding as follows:



Chapter 3 System Programming

3.0. Remarks

- 3.0.1 All the programming must be carried out on the extension 601, 602, 603, 604 ;
All the programming must be into system programming status.
- 3.0.2 All the extensions must be of dual tone multi-frequency phone
- 3.0.3 You are allowed to operate one by one, and end the process by simply pressing #.
You don't have to hang up if something wrong occurs, you could press * to restart.
- 3.0.4 If programming-extension(601,602,603,604) is in direct dialing out mode, you
need to press * to enter the internal system, then start programming.
- 3.0.5 When the setting is finished, a long beep indicates that the setting is done correctly
and saved in the system. If instead an array of short chirps is heard, that would
indicate an error occurred in the setting. You need to check it out and reset the
system. It is only after the end of the long beeps you can continue another system
operation
- 3.0.6 All the setting involved multiple users can be carried out in a batch process mode.
It will surely increase the speed and accuracy of the setting.
- 3.0.7 The system will automatically open the C.O line port which is connecting. Don't
need you programmed it.
- 3.0.8 Intercom has Caller ID function if you use Caller ID telephone.

NOTE:

1. For 308 Extensions series No. is 01-08 (two- digit number), C.O.line series No.
1-3 (one digit number);For 832-416 Extensions series No. is 01-32 (two- digit

number), C.O.line series No. 1-8 (one digit number)

2. Programming Extensions is Ext.601, 602, 603, 604; for 308 type the extension ports 601-604 reality number is 11-14(default setting);for 832-416 type the extension ports 601-604 reality number is 101-104(default setting).

3.1.1 Enter into System Programming Status

Instruction: * # * EFGH

Explanation: EFGH is the password. In the default setting, the password is 0000 and the programming telephone is EXT601, EXT.602, 603, 604



Pick up 601

*#*EFGH



Confirm beep



1. You are required to dial : #*EFGH in the indirect dialing out mode.

3.1.2 Changing the Password

Instruction: 09e f g h#:

Explanation: e f g h is the new password. Such as 1234.



In programming status

09e f g h#



Confirm tone



How to programming

At first you must enter into system programming condition, for example: In the default setting, you pick up Ext801 and dial *#*0000, after hearing a long beep, you can begin to program as the following instruction.

3.1.3 Enable/Disable C.O.line

In default setting, all C.O. lines are in opened status, please close unused C.O. line port during use!!!

Instruction: 0600#:Enable all C.O.Lines

0610#:Disable all C.O.Lines

060M#: Enable No. M C.O.Line(M: C.O. line No. M = 1 – 8 for 832-416, M=1-3 for 308)

061M#: Disable No. M C.O.Line(M: C.O. line No. M = 1 – 8 for 832-416 M=1-3 for 308)

The above setting is to confirm if there are Co line connect to Co. line interface;if

there are Co. Line, it should be opened, if not, it should be disable.

3.1.4 Flash time setting

Instruction: 00F #

F=1 -----0.8s

F=2 -----1.0s

F=3 -----1.2s

F=4 -----1.5s

F=5 -----1.8s

The default set: F=2 (1.0s)



0 0 F #



In programming status

Confirm tone

Explanation: F means the flash time.

3.1.5 System Time Setting

Instruction: 01YYMMDD#

Description: Setting year/month/date of system

Y Y ---- Year, two_digit number, from 00 to 99

MM ---- Month, two_digit number, from 01to 12

D D ---- Date, two_digit number, from 01 to 31

For example: setting system time: June. 08,2004,input 01040608#

Instruction: 02hhtt#

Description: Setting Hour/Minute of system

h h ---- Year, two_digit number, from 00 to 99

t t ---- Month, two_digit number, from 01to 12

For example: setting system time:12:30 ,input 021230#

Instruction: 020000W #

Explanation: setting week of system (W ---- week, 1-7 , 7 = Sunday)

3.1.6 Set charge list active mode

Instruction: 03 TT #

Explanation: The PC charge software will delay TT(from 00-99) seconds to active the charge time after the user dialed out.

Default setting: Duration of time-delay being 5 seconds.

For example: Setting delay time: 20s , input: 0320#



In programming status

0 3 TT #



Confirm tone

3.1.7 Clear system's storage of all charge list

Instruction: 0400 #

Explanation: Clear the charge list stored in system memory.



In programming status

0 4 00#



Confirm tone

NOTE: SYSTEM can store more 300 items charge list in PBX , But when power off it will lose.

3.1.8 Day / night mode setting

Instruction: 040#	Set day/night mode to automatically mode
041#	Set day/night mode to manual mode
042HHTT#	day mode start time, HH-hour (24), TT-minute
043HHTT#	day mode end time, HH-hour (24), TT-minute
0440#	Enable *auto-attendant(OGM) in day and night
0441#	Enable *auto-attendant in day
0442#	Enable *auto-attendant in night

* : The co line must be in auto-attendant mode

3.1.9 Setting Alarm Clock Function of extension

Instruction: 05 #

Explanation: Disable the alarm clock functions of all extension

Instruction: 05 N#

Explanation: Disable the alarm clock functions of No.N(N is extension series)

Instruction: 05 N hh tt#

Explanation: Setting the alarm clock functions of No.N(N is extension series number, hh is hour, two digit number from 00-23 ,tt is minute,two digit number,from 00 to 59)



In programming status

0 5 #

05 N#



Confirm tone

0 5 N hh tt #

3.1.10. Trunk lines(c.o.lines) working assignment (UCD)

Instruction: 0620#

Explanation: system assign the different trunk lines working averagely, it means the system will use the trunk lines circulating. (For example: the system will use trunk line 1, then line 2, line3,line8 circulating). This setting can avoid the user always use some trunk lines.

Instruction: 0621#

Explanation: This setting make the system use trunk lines in sequence, it means the system always choose the trunk line of lower number if available. (line 1 is the lowest number)



In programming status

0 620 #

0 621 #



Confirm tone

Remark: default setting ----- system assign the different trunk lines working averagely.

3.2 Auto-Attendant mode(DISA) /Operator mode setting

Instruction: 10#: allows all the C.O lines in DISA status(Auto-Attendant mode).

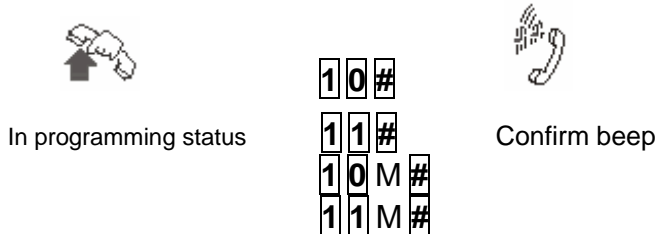
11#: allows all the C.O lines in Operator mode.

10M#: allows C.O line M in Auto-Attendant mode. (M: C.O line port number)

11M#: allows C.O line M in Operator mode status.

Description: If the setting is operator mode, when there is an incoming by exterior line, the Extensions that have already been set will ring simultaneously. Pick up to talk or to transfer, the extensions which do not ringing can also answer it use the call pick up order; if the setting is Auto-Attendant mode, when there is an incoming by C.O line, exterior

line(C.O line) will Hear digital record, and if dial one of the extension number and it will ring, if dial 0 for inquiry, the operator will ring.



1. DISA: Direct Inward System Access. Default setting is operator mode.
 2. In DISA status: When a call come in, the caller will hear the OGM, he could dial the relevant Ext directly. When he want to inquiry for other Ext number, he could dial 0 and the operator (under the default mode is Ext.12) rings.

3.3 OGM(Outgoing Message) setting

3.3.1 Setting OGM paragraph mode

The system use three paragraph of OGM messages, and can be set to three mode, see below:

- | | |
|--------------------|---|
| Instruction: 0451# | Set OGM to be one paragraph mode (20 second record time) |
| 0452# | Set OGM to be two paragraph mode
(day/night mode, the first paragraph OGM time is 12 seconds, the second is 8 seconds, it is default setting) |
| 0453# | Set OGM to be three paragraph mode
when system in two paragraph mode, there are two setting below: |
| 0461# | when system in two paragraph mode, also In day mode, adopt the first paragraph OGM to be greeting message, in night mode adopt the second paragraph OGM to be greeting message, this is default setting |
| 0462# | when system in two paragraph mode, also In day mode, adopt the second paragraph OGM to be greeting message, in night mode adopt the first paragraph OGM to be greeting message |

3.3.2 OGM Recording

when system In three paragraph OGM mode:

Instruction: 1 2 W# (W=1,2,3 the paragraph of the OGM)

OGM 1 recording (8 seconds), this is the first OGM, usually it is for company greeting, for example, you may record "This is ABC company, Pls dial extension number or dial "0" for operator. Thanks you for calling."

OGM 2 recording (4 seconds), this is the second OGM, usually it is for c.o.line dial extension and this extension is busy, if you want to transfer this calling to other extension, you may record "Sorry! This extension is busy. Pls dial other extension number or dial "0" for operator."

OGM 3 recording (8 seconds), this is the third OGM, usually it is for c.o.line dial extension and this extension no answer, you may record "Sorry! This extension do not answer, Pls dial other extension number or dial "0" for operator."

Description: Used to record an outgoing message for Direct Inward System Access(DISA).



In programming status

12W#



"Du",begin
to record



Recording



"Du", ending



Hang up



- 1>. The recording time is limited, "du" is heard to start recording and another "du" to end recording;
- 2>. The new message will overwrite the old one;
- 3>. Please use high quality telephone to ensure high quality of recording;
- 4>. If the caller dials a number before the system finishes playing the message, the system will terminate playing the message, waiting for the caller to complete dialing;
- 5>. The caller will be connected to Operator if he/she dial 0 first for inquiry;

when system In two paragraph OGM mode:

Instruction: 1 2 W # (W=1,2 the paragraph of the OGM)

OGM 1 recording (12 seconds), this is the first OGM, it is for company greeting, it can be defined for day mode or night mode(see 3.3.1).default setting is for day mode.

OGM 2 recording (8 seconds), this is the first OGM, it is for company greeting, it can be

defined for day mode or night mode(see 3.3.1).default setting is for night mode.

when system In one paragraph OGM mode:

Instruction: 1 2 1 # (or 1200 #)

Description: to recording one paragraph OGM(20s total), also it is for company greeting,

3.3.3 OGM play

when system In three paragraph OGM mode:

Instruction: 1 3 W # (W=1,2,3 the paragraph of the OGM)

when system In two paragraph OGM mode:

Instruction: 1 3 W # (W=1,2 the paragraph of the OGM)

when system In one paragraph OGM mode:

Instruction: 1 3 1 # (or 1300 #)

Description: Confirms the recorded message in the OGM recording program, you can check if the recording is satisfied or not, if not, you can record again.



In programming status

13W #



Confirm tone

3.3.4 Monitoring the holding music

Instruction: 14#

Explanation: Input 14# in the state of system programming, it begin music listen in when hear “du” and end it when hear “du” again.



In programming status

14 #



Confirm tone

3.3.5 Setting Operator

Instruction: 15N# set ext NN as first operator

Explanation: N is extension series number, when the first operator is busy, the call will be transferred to second operator automatically.



15N#



In programming status

Confirm beep



In operator mode, this programming doesn't change the ringing assignment.

3.4 System option for no dialing in The DISA

Instruction: 160 # (it is default setting)

Description: At auto-attendant mode, if the C.O line doesn't dial the extension number over 5 seconds or more after hearing the OGM, then the C.O line will be cut off.

Instruction: 161 #

Description: At auto-attendant mode, if the C.O line doesn't dial the extension number over 5 seconds or more after hearing the OGM, then the C.O line will be transferred to the define Exts.(see below default setting is Operator).



160 #



In programming status

161#

Confirm tone

Default setting: *The C.O.line will be cut off if no dialing.*

Instruction: 1610# Set no dialing in The DISA then auto call operator directly.

1611# Set no dialing in The DISA then auto call the first extension group.

1612# Set no dialing in The DISA then auto call the second extension group.

1613# Set no dialing in The DISA then auto call the third extension group.

1614# Set no dialing in The DISA then auto call the fourth extension group.

3.5 The processing of transfer to a no answer extension

Instruction: 162# Call back the extension

163# Don't call back

Explanation: If the call back extension is busy, the system will release the C.O line.

3.6 Add digits for internal CID

Instruction: 180 # Disable add digits for intercom CID

180 kk # Add kk in intercom CID number

Explanation: Some CID telephone can't display the CID number less than 4 digits, so you must add more digits for intercom CID. this function just for this special situation.

3.7 CID mode setting

3.7.1 Internal CID mode(transmit mode) setting

Instruction: 1810 # FSK mode(Default)
1811 # DTMF mode

3.7.2 C.O. line CID mode (receive mode) setting

Instruction: 1812 # FSK mode
1813 # DTMF mode
1814# Auto mode(Default)

3.8 Switch and CO.line Holding time setting

Instruction: **186TT# Set switch and CO.line holding time to TT**

Description:TT=01-99 ,unit =10 seconds. Default setting is 20(200s)

3.9 Dialing-out Mode Setting

Instruction: 2N0# Direct-dialing-out mode for Ext.N (N is the Ext series).
2N1# Indirect-dialing-out mode for Ext.N (dialing 9 for outgoing)
20# Direct-dialing out mode for all the Exts.
21# Indirect-dialing-out mode for all the Exts. (dialing 9 for outgoing)

Description: Allows extension freely choose the mode to access the Outside Calls.



In programming status

2 N 0 #
2 N 1 #
2 0 #
2 1 #



Confirm beep

3.10 CO Line Incoming Call Ringing Assignment / to Cancel in Day mode

Instruction: 30MN0# (M: C.O line port NO. N is the Ext series numbers, N=01-16 for 832-416 ;N=01-08 for 308)

Description: When calling of No.M C.O line come in and system in day mode, Exts N will ring at the same time. Under the default mode only Ext601, 602 will ring.

Instruction: 30MN1#

Description: Disable Exts N ring When calling of No.M C.O line come in when system in day mode.

Instruction: 30M#

Description: Disable all Exts ring When calling of No.M C.O line come in when system in day mode

Note: N =01-16 not 01-32 for 832-416



In programming status

3 OMN 0 #

3 OMN 1 #

3 OM #



Confirm beep

3.11 CO Line Incoming Call Ringing Assignment / to Cancel in Night mode

Instruction: 31MN0# (M: C.O line port NO. N is the Ext series numbers, N=01-16 for 832-416 ;N=01-08 for 308)

Description: When calling of No.M C.O line come in and system in night mode, Exts N will ring at the same time. Under the default mode only Ext601, 602 will ring.

Instruction: 31MN1#

Description: Disable Exts N ring When calling of No.M C.O line come in when system in night mode.

Instruction: 31M#

Description: Disable all Exts ring When calling of No.M C.O line come in when system in night mode

Note: N =01-16 not 01-32 for 832-416



In programming status

3 1MN 0 #

3 1MN 1 #

3 1M #



Confirm beep



1. Up to 8 Exts are allowed to ring at the same time.
2. This function is for Ext No.1 to Ext No.16 only.
3. This function must be in Operator Mode.
4. The extension which is not set ringing will ring under Intercom Calling, Call Transfer.
This programming only act to CO line Incoming call.

3.12 Day mode Extension Class Assignment

Instruction: 44 N L#

Description: Assign dialing-out class L for certain Ext. N in day mode.

Instruction: 44 L#

Description: Assign dialing-out class L for all Exts in day mode.

3.13 Night mode Extension Class Assignment

Instruction: 45 N L#

Description: Assign dialing-out class L for certain Ext. N in night mode

Instruction: 45 L#

Description: Assign dialing-out class L for all Exts in night mode.

Explanation: N is the Ext series numbers. N=01-32

L is class number.

L = 1 means no any restriction

L = 2 to restrict International call

L = 3 to restrict domestic long-distance calling.

L = 4 to restrict some certain numbers from item A

L = 5 to restrict some certain numbers from item B.

L = 6 only for intercom call

L = 0 only for some special calling number



In programming status

4 4 NL #
4 4 N #
4 5 NL #
4 5 N #



Confirm beep

1. One extension can be assigned to one class only.

3.14 Restrict the Certain Number / to Clear

3.14.1 Restrict Item A

Instruction: 4 1 Q ABCD# to restrict the call-out number starting with ABCD

4 1 # to clear all the call-out restriction of certain numbers of item A

41 Q # to clear the call-out restriction of certain numbers of group Q.

Explanation: 1. ABCD is the initial digits of the calling number to be locked, it can be from 1-digit to 4-digits, it should be ended with # if less than 4-digits.

2. Q --- The group series from 01 to 16.(Q is 2-digits)

3. Item A can lock 16 groups of initial digits.



In programming status

4 1 Q ABCD #
4 1 #
4 1 Q #



Confirm beep

For example: Ext.606 is dialing-out class 4, now you want to restrict Ext.606 to dial the numbers with initial digits—168, 1790, 114, you can set as follows:

41 01 168# , 41 02 1790# , 41 03 114#

If you want to clear the call-out restriction of certain numbers with initial digits---1790 of group 02, you can set as : 4102#

3.14.2 Restrict Item B

Instruction: 4 2 Q ABCD# to restrict the call-out number starting with ABCD

4 2 # to clear all the call-out restriction of certain numbers of item B

42 Q # to clear the call-out restriction of certain numbers of group Q.

- Explanation: 1. ABCD is the initial digits of the calling number to be locked, it can be from 1-digit to 4-digits, it should be ended with # if less than 4-digits.
2. Q --- The group series from 01 to 16.
3. Item B can lock 16 groups of initial digits.



In programming status

4 2 Q ABCD #
4 2 #
4 2 Q #



Confirm beep

3.14.3 Assign Special Calling-out Number

Instruction: 43 P ABCD # Permit to dial the phone numbers starting with <ABCD> only.

43 # to cancel all the permission of special calling-out numbers.

43 P # to cancel the permission of certain calling-out numbers of group P.

Explanation: ABCD is the initial digits of the calling number to be allowed, it can be from 1-digit to 4-digits, it should be ended with # if less than 4-digits.

P is the group series number from 01 to 16.

Description: Permit to dial the phone numbers starting with [ABCD] only



In programming status

4 3 P ABCD #
4 3 #
4 3 P #



Confirm beep



1. 16 different groups of initial digits can be set .

2. In Assign Special Calling-out Numbers mode, allows you to dial the special

numbers only.

For example: Ext.606 is dialing-out class 0, now you want to permit Ext.606 to dial the numbers with initial digits—0592, 010, 021, 179, you can set as follows:

43 01 0592# , 43 02 010# , 43 03 021# , 43 04 179#



If you want to clear the permission of certain numbers with initial digits—021 of group 03, you can set as : 4303#

3.15 Private password setting/Cancel

Instruction: 500# clear all private passwords
 5UV WXYZ L # set the NO UV private password and assigned to class L
 5UV# clear the No UV private password.

Explanation: UV is the password series number from 01 to 32.
 WXYZ is the 4 digits password number from 0000 to 9999.
 L is the service class of private password

Description: Service for often ambulatory man to use long distance call or local call at any other extension and suitable for charge. When using private password user must input private password with series number(refer to “ private password using in using way”) ,in other word ,must input UVWXYZ(6 digits).

	5 00 #	
In programming status	5 UV WXYZ L #	Confirm beep
	5 UV #	

For example: No.08 private password is 1234,which service class is L=1, then you can set as 5 08 1234 1#

3.16 Calling Time Restriction / to Clear

Instruction: 6NTT# set the Ext N outgoing call duration to within TT minutes.
 6N00# clear the Ext N outgoing call duration restriction.

Explanation: N is the EXT series number.
 TT is the time restriction duration(2 digits): should be in 01-99 minutes.

Description: Control extension call duration for using CO line, This function can only limit the time of CO call.

	6 N TT #	
---	----------	--

In programming status

6 N 0 0 #

Confirm beep

3.17 Assign Exts. Outgoing to Certain C.O.Line / to Clear in day mode

Instruction: 70MN0# This function assign the extensions N outgoing to use the certain C.O.line (M) in daytime.

70M0# All extensions can use co line M in day mode.

70M1# All extensions can not use co line M in day mode.

70MN1# to restrict the EXT.N to use C.O line M in day mode

3.18 Assign Exts. Outgoing to Certain C.O.Line / to Clear in night mode

Instruction: 71MN0# This function assign the extensions N outgoing to use the certain C.O.line (M) in night .

71M0# All extensions can use co line M at night mode.

71M1# All extensions can not use co line M at night mode

71MN1# to restrict the EXT.N to use C.O line M at night mode.

Explanation: M: C.O line port NO. N is the Ext series numbers

Description: This functions allow you to assign certain CO line exclusively be accessed by certain extensions for outgoing calls and other extensions can't use it for outgoing calls.



In programming status

7 1 M N 0 #
7 1 M 0 #
7 1 M 1 #
7 1 M N 1 #



Confirm beep

1. This function is for the outgoing call and can't change the function of C.O line Ringing Assignment. .

2. Eg: EXT603 can't use C.O line 2, Ext.606 & Ext.608 can use C.O line 1 in daytime , you can set as follows: 702031# , 701060# , 701080#.

3. Eg: C.O line 1 can use at night mode by Ext 601, C.O line 2 can use by Ext 607. Ext 608 .Ext 616 in night , you can set as follows: 7111#、7121#、711010#、712070#、712080#、712160#.

3.19 Flexible coding (Freely Change the Exts. number)

Instruction: 9000# return to the Exts number of the default setting, that is: from 101 to 102 103, ..., 116, ..., 132 one by one, etc for 832 .and from 11 to 12, ..., 18 for 308.

9Nabcd# change old Ext number to new Ext number "abcd"



In programming status

9000#

9 N a b c d #



Confirm beep



1. N is the extension series number, N=01-32, abcd is the new number, 1 to 4 digit number, if new Ext number not exceeding to 4-digit number, press # in the end. The new numbers range from 1-8999; all extensions numbers can not be in duplicate.
2. The number can't begin with 0 and 9,
3. The length(digits) of new number must follow the extension No.1; it must be emphasized that if the length(digits) of new number changed, all the extensions must be reset after setting extension No.1. All the new numbers should be equal digits, and not in duplicate.
4. For example, to set the extension's number to 4-digit number (8001-8032),the user should dial 9018001# at first ,then dial 9028002#、9038003#...one by one, up to 8328032.
5. Pls note: if the system enable the Intelligent Least-cost Routing function, the first digit of new extension number can't be same as the dialing-out code of special Trunk line.

3.20 Exts groups function setting

3.20.1 Flexible coding (Freely Change the Exts. groups number)

Extensions can be set to 4 groups, each group is from 01 to 32 and have a programmed number. Setting methods is as below(similar to flexible code).

Instruction: 9000# return to the Exts number of the default setting, also return the Exts. Groups number to default setting, that is:308 default setting is 20,832-416 default setting is 180.

For 308 setting:

- 920ABCD# Set the first groups' number(308 default setting is 20)
- 921ABCD# Set the second groups' number(308 default setting is 21)
- 922ABCD# Set the third group's number (308 default setting is 22)
- 923ABCD# Set the fourth group's number (308 default setting is 23)

For 832 setting:

- 980ABCD# Set the first groups' number (832-416 default setting is 180)

-
- 981ABCD# Set the second groups' number (832-416 default setting is 181)
 - 982ABCD# Set the third group's number (832-416 default setting is 182)
 - 983ABCD# Set the fourth group's number (832-416 default setting is 183)

Note: the long of number should be same to the first extension number, and the group number should be different to other extensions number.

3.20.2 Setting the Exts. Groups members

Instruction: 220# to delete all extensions in the first extension groups.

220N1N2...# add Exts.N1,N2...to be the first extension groups member.

221# to delete all extensions in the second extension groups.

221N1N2...# add Exts.N1,N2...to be the second extension groups member.

222# to delete all extensions in the third extension groups.

222N1N2...# add Exts.N1,N2...to be the third extension groups member.

223# to delete all extensions in the fourth extension groups.

223N1N2...# add Exts.N1,N2...to be the fourth extension groups member.

Description: input 220 to enter the first Extension group setting, input N1(01-32), after DU, it means that N1 telephone has been add to the first extension . then input N2(01-32) then DU, N2 telephone has been added to the first extension group. And you can input one extension (for example N2) then input * and N3, after DU, N2 and N3 has been added to the first extension. If finished, Press # or hang on to exit.

Note:In default state, the first extension group of 308 includes all extensions from 01-08,
The first extension group of 832-416 includes all extensions from 01-32.

In default state, the second extension group of 308 includes all extensions from 01-04,

The second extension group of 832-416 includes all extensions from 01-08.

In default state, the third extension group of 308 includes all extensions from 04-08,
the third extension group of 416 includes all extensions from 09-16.

In default state, the fourth extension group of 308 is none, the fourth extension group of 416 includes all extensions from 17-24.

3.20.3 Setting the Exts. Groups working mode

Instruction: 168# Extension groups are in meeting mode.

Description: when Extension groups are in meeting mode; If one extension call one extension group, the members in this group will ring at the same time, each extension can pick up the handset and talk with the caller, while the other extension keep ringing . This function is also a conference function.

Instruction:169# Extension groups are in normal calling mode.

Description: when Extension groups are in normal calling mode;If call one extension group, the members in this group will ring at the same time, each extension can pick up the handset and talk with the sender, if someone pick up the handset, the other extension will stop ring. **It is the default setting.**

3.21 System Return to Default Setting

Instruction: 0000 #

Description: The system will restart with the default factory setting.



1. The default setting see appendix II.
2. This Instruction can not reset the Exts number and CO line enable/disable parameter to the default setting.

Chapter 4 Operating Instruction

Important Notice: If you choose indirect outgoing dialing out mode, no need to dial * in following operation.

1. Day/night mode setting

The following command can be inputted only in Ext 601-604, not in programming mode:

- | | |
|--------------|---|
| (*) # 22 # | Switch the day/night switching mode to auto mode
(Same as 040# in programming mode). |
| (*) # 23 # | Switch the day/night switching mode to manual mode
(Same as 041# in programming mode). |

In manual mode, you can input the following command:

- | | |
|--------------|--------------------------------|
| (*) # 20 # | Switch the system to day mode. |
|--------------|--------------------------------|

(*) # 21 # Switch the system to night mode.

The default mode is day mode.

In auto mode, the system will switch the day/night mode automatically according the start and end time you have set.


Outward Dialing

This system provides 5 dialing modes to meet the different need of customers.

2. Outward Dialing Directly

Format: Pick up the handset and dial desired number directly after hearing the C.O. line tone.

Description: Making outgoing calls from Exts with direct dialing mode ,

 Allows you to redial the last telephone number

3. Outward Dialing by dialing 9 first

Operation: Pick up the handset and dial 9 first after hearing the internal dialing tone , then dial the desired number after hearing the C.O. line dialing tone.

Description: When the Ext is indirect outward mode , you'll hear the internal dialing tone after pick up the handset, dial 9 then you enter the CO line , you may dial the desired number after hearing the CO line dialing tone.

 The user should dial 9 within 15 seconds after hearing the internal dialing tone.

4. Outward dialing by a exclusive line

Operation: # 1 and CO line port number M.

Description: In some occasion, the user may place an outward call by an exclusive line and we definite it as Choosing line dialing. (M:CO.line port NO)



Pick up EXT

Input #1M

 If the Ext is at direct outward mode ,you should input : * #1 and CO line port number M.

5. Automatically Callback Busy (Booking a C.O.Line)

Operation: # 0 then hang up

Description: Allows you to make the Ext. ring back automatically when any CO line become free




Pick up EXT



Input #0



Hang up----- WAITING

 1> If there is free CO line , the Ext will ring back automatically. The ring duration is 10 seconds during that you should pick up the ring call , otherwise the call cancelled.

2> If the Ext is at direct outward mode , you should input : * # 0 then hung up .

6. Outward dialing by your private password

Operation: # 5 UVWXYZ+ 9+ desired number

Description: Allows you to make the Ext. ring back automatically when any CO line become free



Pick up EXT

Input #5 UV WXYZ 9+desired number

 1> allowed use your personal password in any Ext.

2> If the Ext is at direct outward mode, you should input : * #5 UV WXYZ 9+desired number.

3>the charging system will record the bills of private password.

For example:Ext606 with the service class 6 and indirect outward mode,which is for intercom call only,if you use NO.5 private password:9530(service class 1) to dial the domestic long-distance call 021_88811999,you can pick_up the Ext.606 ,then input :#5 05 9530 and you can hear internal dialing tone and dial 9 to hear dialing Co.line tone then you can continue dial 021 88811999.

Intercom calling

7. Intercom calling at direct outward mode

Operation: dial * and Ext number

Description: Make internal call from Ext. with direct outward mode.

8. Intercom calling at indirect outward mode

Operation: Dial the Ext . number directly.

 1> Intercom calling is free of charge.

9. Intercom calling transfer

Operation: pat the hook and input Ext number

Answering call

10. Answering calls at operator mode

The Ext (s) which is set to ring will ring when an incoming call is received, and pick up the handset

you may answer the call directly. Under the default mode, Ext601 and Ext602 will ring.

11. Answering calls at auto-attendant mode

No extension will ring when an incoming call is received, the message recorded will be heard before dialing extension number.

Before you use auto-attendant function ,you must follow below step:

- 1、 Set the CO.line to be auto-attendant mode (see Chapter 3 item 3.2);
- 2、 Enable auto-attendant in day/night (see Chapter 3 item 3.1.7);
- 3、 Setting OGM paragraph mode(see Chapter 3 item 3.3.1);
- 4、 Record the OGM(see Chapter 3 item 3.3.2) and Monitor the OGM (see Chapter 3 item 3.3.3)
- 5、 Setting system day/night mode.(optional)

Remark: 1.You can set different DISA mode.

2. When a caller dials"0" for inquiry, operator extension will ring. If operator extension is busy, then system can use the function "Call forwarding when Ext is busy or nobody available/to clear
3. In auto attendant mode Co. line can make direct call to one member of extension group, but only the first pick up extension can talk with this Co. line not only in meeting mode but also in normal calling.

12. Call pick up

Operation 1: # 3 + Ext . number (who is ringing)

Description: Allows you to answer the calling that is ringing at the Ext whose number you dialed.

Operation 2: # 1+M (M is CO LINE NO that is ringing Ext . or being holded)

Description: Allows you to answer an incoming call (which co line NO is M) that is ringing at another Ext(or be holded)

Operation 3: # 9

Description: Allows you to answer the calling (include Internal call or external call) we suggest not use this operation , because it is easy to pick up a call that you are not expected.



Pick up the handset
of non-ringing extension



hearing the
dialing tone



input #9



Pick up the call



- 1> If the Ext is at direct outward mode , you should input: * # 9 .
- 2>Internal call also can be picked up.

13. Call transfer

Operation: During the conversation with Co. line , Pat the hook
(or press the FLASH button) then dial the Ext. number .

Description: 1. Allows you to transfer an incoming call to another Ext.
2. The Flash time can be set.

Example:for 308 when Ext.15(for 832-416 is Ext105) is talking to C.O. line and want to transfer the CO line to Ext .17. Then Ext .15 can transfer the incoming call to Ext .17 by patting the hook (or pressing the FLASH) and dialing 17.



Extension 15(105)
is talking



Patting hook



Hearing the internal
dialing tone

17(1 0 7)

Input 17(107)



There may be following 8 cases after a call is transferred from A to B:

- 1> A does not hang up and B picks up his handset .Then communication between A and B is established while the outside caller is on hold (music on hold). Whoever hang up (A or B) , the system will transfer outside caller to another one.
- 2> A does not hang up and B does not answer A within 30 seconds(default setting). Then A will restore the connection with CO. line , and B will stop ringing.
- 3> A hangs up and B answer the call, B will answer the outside caller.
- 4> A hangs up and B does not answer the call within 30 seconds, call will be back to A and will ring , if A never pick up the call in 30 seconds or A is busy , the system will cut off.
- 5> After A pat the hook then hear the error message , that means the system is busy , A can continue to pat the hook (or press the FLASH button) until the error message is disappear.
- 6> A make invalid operation or B is busy , After System indicate with “du-du-du” , A can repeat the operation.
- 7> A hangs up and B does not pick up . A pick up again and press: * # 9 (If the Ext is at indirect outward mode , you should input : # 9) then A will restore the connection with CO line.

8> The EXT pat the hook when conversant between normal phone and Co. line or press Transfer key when conversant between key phone and Co. line, The Co.line will be in holding status , The conversation will be back after the Exts pat the hook for normal phone or press the DSS key of key phone.

9> For key phone you should press transfer key instead of Pat the hook.

!!!Note: Internal call also can be transfered.

14. Call switch (call pick during conversation)

While a Exts talking with a CO.line , a Exts or a doorphone, the other CO.line calling in or the other doorphone call in and should ring this Exts, you will hear prompts beep tone(the beep for doorphone calling and CO.line calling is different). Then you can:

Operation1: for normal phone,Pat the hook (or press the FLASH button) ;then you will hear dial tone, press “**#9**” to switch another Co.line, also you can switch to receive the call from door phone. The first conversation now is be holded(for CO.line talking ,the holding time can be set in chapter 3 item **3.8, but for** the conversion with doorphone will be ended), **when you talking with the second call,you also can** Pat the hook and press **#9** to take back the first holding call.

Note:

- 1、 when there are some calling at the same time ,CO.line calling is the prior grade to be switch, and door phone calling is second , the Co. line hold is in the third grade.
- 2、 For key phone you should press transfer key instead of Pat the hook.
- 3、 Answer incoming waiting call by **#9** and take back the first one by **#9** again can be repeatable as long as the you like for CO.line, but for doorphone you can only switch one time.
- 4、 The waiting incoming call beep(prompt beep) are different for the door phone call and the CO.line call ; The doorphone calling prompt beep is two beep(du du),and the CO.line calling prompt beep is three brief beep(du du du).

Operation2: for normal phone,Pat the hook (or press the FLASH button) ;then press “**#1M**” to switch to the Co.line(port number is M),this for direct to receive a certain CO.line.

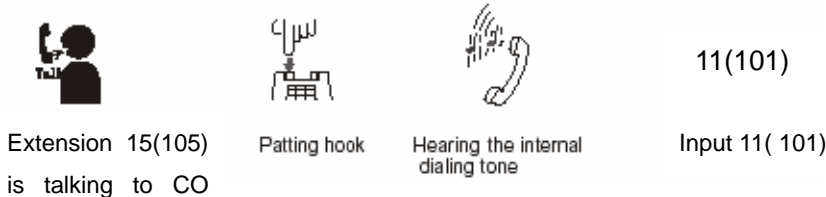
Operation3: for normal phone,Pat the hook (or press the FLASH button) ;then press “**#2**” to switch to a doorphone call(when you hear two prompt beep).

15. Secretary Function (Outgoing call Transfer Function)

Operation: Pat the hook then dial the Ext number

Description: This function let you make an outgoing call from one Ext then divert and connect other Ext. to CO line

Example: Ext .15(832-416 is 105) makes an outward call then transfer the call to Ext. 11(101 for 832-416).



1> You should input the Ext number within 5 seconds after patting the hook (or press FLASH button) and hearing the internal dialing tone , otherwise you'll be came back to the CO line again .

2> You can uniform manage the system by using CO Line Restriction and Secretary Function, Such as: the operator uniform books the long distance calls.

16. Conference (1 CO line and 2 Exts)

Operation: Pat the hook (or press FLASH button) and * and Ext .number

Description: Allows you to add a third party to a two-party conversation and make a three-party conference. You can have only two Ext. with one CO line.

Example: Ext. 15 is talking to CO line caller and he want to transfer the call to 17. then 15, 17 and CO line can talk at the same time.



1> There may be following 2 cases after a call is transferred from A to B.

2> A does not hang up and B picks up his handset. Then communication amount A B and CO line is established, whoever hang up (A or B) ,the system will transfer outside call to another one.

3> A does not hang up and B does not answer A within 30 seconds. If Ext. B does not answer A within 30 seconds , then A will restore the connection with CO line , and B will stop ringing.

17. Caller on holding

Operation: Pat the hook and # #

Description: Extension N is talking with CO line A and at this time B calling in , Extension

N input the above format to make A in state of caller On Holding(A is hearing music while waiting). At this moment, Extension N also can make Call Pick Up(input #9), Call Transfer, Dialing Out etc.... if Extension N will restore the connection with CO line, just input *#9



A is in state of caller on holding's duration time is in 2 minutes.

18. CO Line transfer to CO Line

Description: Ext.N is talking with the CO line A,at this moment Ext.N holding this Co line A(pat the hook and input # #), then Ext .N can hear the internal dialing tone,now he can dial '9' to Co line C and use it to call desired number (at this moment if invalid operation or line is busy ,he can hang up and dial again) ,after Ext.N is talking with CO Line C ,Ext.N can operate the fellows to make two function:



3 party-Conference (2CO line and 1 Exts): Ext.N pat the hook and input # *

Then communication amount Ext.N ,CO line A and CO line C is established ,The 3-party can talk ,if Ext.N hang up ,the CO line A and CO line C will be cut off ,the talking will be ended.



CO line transfer to CO line : Ext.N pat the hook and input **# 6** ,and Then communication amount Ext.N ,CO line A and CO line C is established ,The 3-party can talk ,but now Ext.N can hang up ,and CO line A can keep talking with CO line C; and system will indicate Ext.N with ringing one time every 25seconds ,pick up Ext.N can come to the three parts conference.

Note: after Ext.N hang up ,he can pick up to rejoin the 3-party talking ,this time when he hang up again ,the CO line A and CO line C will be cut off ,the talking will be ended.

Call forwarding

19. Setting call forwarding directly / to clear

Instruction: * # 81 abcd then hang up: Allows the Ext user to transfer incoming calls automatically to desired Ext.

* # 81 # then hung up : to clear this function.

Explanation: <abcd> is desired Ext number.

Example: The user of ext. 15(105 for 832) want to go to 17(107 for 832) for work then he can forward all the incoming calls of 15 to 17



#8117(*#81107)



Pick up Ext.15(105) Hearing dialing tone Input *#8117(*#81107) Hearing a du Hang up



- 1> In indirect outward mode , you should input: # 81 abcd.
- 2> Pick up the handset of Ext with Call Forwarding function you will hear nothing and can't do any operating , you must hang up to cancel the function first
- 3> When power failure, this setting will not be stored.

20. Call forwarding when Ext is busy or nobody available/to clear

Instruction: * # 82 abcd then hang up: If a Ext is busy or nobody available after 25 seconds, the incoming call will be transferred to desired Ext. automatically.

* # 82 # then hung up : to clear this function.

Explanation: <abcd> is desired Ext number.

Example: When the ext. 15(105 for 832) is busy or no answer, then he want to transfer the incoming calls to the operator 12(102 for 832)



***#8212**



Pick up Ext. 15 Hearing dialing tone Input *#8112 Hearing a du Hang up



- Remark: 1> In indirect outward mode , you don't need to input: " * " 2> When power failure, this setting will not be stored.

21. Priority access and monitoring

Instruction: * # 7 1

Explanation: To monitor the first doorphone ;see **Appendix III**

Instruction: * # 7 2

Explanation: To monitor the second doorphone ;see **Appendix III**

Instruction: * # 7 9 M

Explanation: M for the CO line port number.

Description: Establish direct connection with CO line while this line is occupied . This feature ensures the director or owner of a company monitor the CO line communication.

Example: Priority access to CO line 3.



***#793**

Pick up 11(101)

Input * #7 9 3

Extension 101 priority access



1> Only Ext.11(101 for 832) has priority access

2> If the Ext is at indirect outward mode , you should input: # 7 9 M .

3> The monitor is responsible for the legal issues resulting from the operation.

Instruction: * # 7 8 + Ext.Number

Description: Establish direct connection with Ext.N while it is used .

22 Inquiry Functions(Automatic reporting)

22.1 Automatic reporting of Ext number.

Instruction: * # 61

Description: During installing and testing of the system , it is very convenient to find the Ext number . The system use “du” for this purpose .

Example: After input *# 61 on Ext . 103(for 832-416) you may hear one continuous “du” , and you will hear 10 “du” , at about 1.5 seconds later , at last you may hear another 3 “du” , that mean the Ext number is 103



Pick up EXT. 103

Input * #61

1 continuous du

10 continuous du

3 continuous du



1> 10 continuous du stands for “0”

2> If the Ext is at indirect outward mode , you should input: # 60 .

22.2 Reporting of Ext number for Caller ID phone

Instruction: * # 62

Example: Pick-up Ext.15(caller ID phone) for 308 , Input *#62, after hear a du then hang up, you can see the extension’s physical number & current number from the telephone: 0515



05 15

Pick-up **15 Hearing dialing ton** Input *#62 Hearing a Du Hang-up you can see :

1> If the Ext is at indirect outward mode , you should input: # 62

22.3 Reporting of System time

Operation: * # 63 (at direct outward mode)

After input the command and hang down, telephone will ring, and the time will be displayed in your caller identify telephone.

* # 66 (at direct outward mode)

After input the command and hang down, telephone will ring, and the date will be displayed in your caller identify telephone.

22.4 Reporting of PBX System Version

Operation: * # 64 (at direct outward mode)

After input the command and hang down, telephone will ring, and the system version will be displayed in your caller identify telephone.

23. Connect with operator directly

Operation: * 0

Description: Ext will connect with operator directly

If the Ext is at indirect outward mode , you should only input: *0 .

24. Clear extension function setting

Operation: *#80

This command will clear all function that extension set, such as No disturbing/Call divert/Call forwarding /C.O. line booking/Alarm clock etc.

25. Setting Don't Disturb / to clear

Operation: *#83

Description: If "Don't Disturb" is set for the extension, then this extension will not ring.



Pick-up Hearing dialing ton Input *#83 Hearing a Du Hang-up

Operation: **Pick-up the handset**

Description: To cancel "Don't disturb" function, you just pick up the handset.



If the Ext is at indirect outward mode , you should input: # 83

26. Call all extensions (Emergency call)

Operation: * # 88

Description: after this operation, all extension ringing and can hear the calling.

27. Use alarm clock function

Operation: # 4hhtt

Description: hh is hour, hh=00-23, tt is minutes, tt=00-59

System will ring this extension on the setting time---hhtt, you just pick up handset and can stop the ringing.



4 h h t t



Pick-up Hearing dialing ton Input #4hhtt Hearing a Du Hang-up



Remark: 1> If the Ext is at indirect outward mode , you should input: *# 4hhtt

2> When power failure ,this setting will not be stored.

3> You also can set the alarm clock for extensions in the programming status.

Chapter 5 Maintenance & Troubleshooting

5.1 Outgoing calls can't be made

- 1). CO line is set to special Extension;
- 2). Extension hang up improperly;
- 3). CPU and internal data is disorder caused by unstable power.
- 4). Call restriction class is 6 .

5.2 Outside calls can't dial in

- 1). The conjunction of CO line loose;
- 2). CO line was connect to other equipment;
- 3). No message recording at auto-operator mode.

5.3 Intercom can't be made

- 1). Extension hang up improperly;
- 2). Extension number wrong.

Breakdown	cause	Solution
Running light malfunction	Power off	Check the power socket and Power supply
No sound from extension	Disconnected wiring or malfunction of telephone.	Reconnect the wiring or try to remove the telephone's failure
Cacophony	Bad connection	Screw down the joint
	The distributing of line is not reasonable	Leave telephone from the disturbing source
Bad tone	Mix using of non-standard telephones	Use the standard telephones
No Caller ID display	Devoid function of incoming telephone display	Apply to telecommunication office
	Wrong setting of No-disturbing and it status.	Clear the No-disturbing and set incoming telephone display
Dial-out malfunction	CO line disconnected	Connect to the CO line
	CO line is not connected well	Check whether the line is connected well
Limited calling time	Time limited	Clear the limit
Cannot program the telephone	Wrong coding	Check the programming extension and use the right code
Extensions has the dialing tone but no ring	Extension is set as call forwarding or No-disturbing	clear call forwarding or No-disturbing
	Extension close the ring	check the telephone's ring
	malfunction of telephone	change the telephone
Others	Others	Refer to professional

Appendix I. Glossary

- N-----Series number of the extensions ,two digits
(01-08 with corresponding input ports 601-608,reality number is 11-18 for 308;
01-32 with corresponding input ports 601-632,reality number is 101-132 for 832-416)
- Programming extension----Extension No.11,12,13,14 for 308(port 601, 602, 603, 604)
Extension No.101,102,103,104 for 832-416(port 601, 602, 603, 604)
- abcd-----Number of the extension(1-8999,except for the digits with the first digit of 0 or 9,outward

code of special trunk line, in equal length)is accordance with N.

- M-----Series number of the CO line (No.1-3 with corresponding input ports of Line 1- 3 for 308;No.1-8 with corresponding input ports of Line 1- 8 for 832-416)
- P-----Licensed Group Number (01-16)
- Q-----First-digit restrict group number (01-16)
- ABCD-----Licensed or restricted number of first 1-4 digits
- EFGH-----4 digits of programming password
- UVWXYZ-----6 digits of private passwords, UV stands for series number (01-32,fixed), WXYZ stands for 4-digit password, which can be setup.(0000-9999)
- L-----Service grade(Grade of private passwords or outgoing call),grade 0-6
- TT-----Time in minute for call duration control, ranges from (01 to 99)
- W----- the paragraph of the OGM
- F-----Flash time class.
- YYMMDD----- YY.....Year, two-digit number, from 00 to 99, MM.....Month, two-digit number, from 01 to 12, DD.....Date, two-digit number, from 01 to 31
- hhtt----- hh.....hour, two-digit number, from 00 to 23, tt.....minute, two-digit number, from 00 to 59

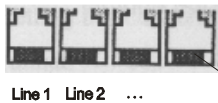
Appendix II. Default settings

Operating mode -----operator mode	Holding time-----200S
Extension numbers-----11-18 (for 308)	OGM paragraph mode-----two
Extension numbers-----101-132(for832-416)	Restriction Group A-----not set
Extension groups numbers-----180-183(for832-416)	Restriction Group B-----not set
Extension groups numbers-----20-23(for308)	Special calling number-----not set
Operator-----12(308)	System password-----0000
Operator-----102(832-416)	Private password-----not set
Dialing out mode-----dial “9”	C.O. line CID mode-----auto

Appendix III. doorphone Functions(Optional)

1、 Connections instruction

For 208 / 308

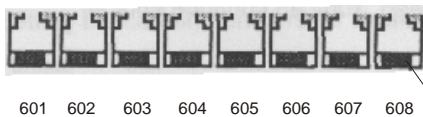


For 832 / 416

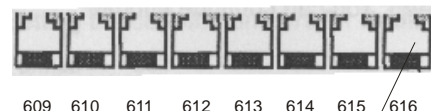


This port is Door-open Switch, Pls connect with the wire of electron Controlled lock.

For 208 / 308



For 832 / 416



Usually Pls set this port as the Door-phone connector,
The system allow you to set any extensions port as the door-phone connector.

2、 Door phone ringing extension setting

2.1、 Connections instruction:

The system can interface with one doorphones and control one electronic door contact closures.

*** Output connector for controlling electronic door-lock;

Which is relay connector ,is a Door-open Switch, Pls connect with the wire of electron Controlled lock.

2.2、 Operating Instruction:

when visitor press the special door-phone, **All** extensions(the default setting is **all Ext** .)to ring for doorphone call will ring, at this moment the door-phonewill be at the status of music on hold (if nobody answer after 25s,the system will send a busy tone to door-phone),you pick up the operator extension and can talk to the visitor, you input * 1 ,then open the door.

Remark:

- 1、 Each Extension can pick-up the call and open the door when the visitor press the door-phone.
- 2、 When visitor press the special door-phone,If the extensions assigned to receive the doorphone call are busy at this moment, the system will send a busy tone to door-phone, in the mean time, the extensions will hear a du-du-du awaiting indication (but very short).
- 3、 In default setting the 2 first extensions to ring for doorphone call ,maximun 8 extensions can receive doorphone call.
- 4、 the system should have 3 ringing tones available for different calls:
 - one for the internal calls
 - one for the doorphone call
 - one for the C.O.line incoming calls

5、 Setting the connector port for Door-phone

In program status:

Format: 80N# (Setting the connector port for Door-phone)

8000# (Clear the connector port for Door-phone)

Description: N: the Ext. Series numbers .N=01-32

REMARK: 1. In default setting: No connector port for Door-phone ,you need to make setting.

6、 Door-phone ringing assignment

In program status :

Format: 82# Disable all extensions to ring when door-phone call in day mode.default is **All Ext**.

82N# Setting Ext.N to ring to receive door-phone call in day mode (N=01-08)

Note: N=01-08 Series number of the extensions

When N=20 for type308 and N=80 for type832-416 (define the first Exts groups)

N=21 for type308 and N=81 for type832-416 (define the second Exts groups)

N=22 for type308 and N=82 for type832-416 (define the third Exts groups)

N=23 for type308 and N=83 for type832-416 (define the fourth Exts groups)

Then Setting the define Exts groups as door phone ring extension in day mode.

83# Disable all extensions to ring when door-phone call in night mode. default is **All Ext**.

83N# Setting Ext.N to ring to receive door-phone call in night mode (N=01-08)

Note: N=01-08 Series number of the extensions

When N=20 for type308 and N=80 for type832-416 (define the first Exts groups)

N=21 for type308 and N=81 for type832-416 (define the second Exts groups)

N=22 for type308 and N=82 for type832-416	(define the third Exts groups)
N=23 for type308 and N=83 for type832-416	(define the fourth Exts groups)

Then Setting the define Exts groups as door phone ring extension in night mode.

7、Door-phone switch contact time setting

In program status :

Format: 185TT# Set the contact time for door phone switch (to open door lock)

Description: TT=01-99 unit =0.1 second(100ms). Default setting is 4(0.4s)

8、Monitor the door phone

Pick up the handset in any extension then press #71 to monitor the first door phone; Pick up the handset in any extension then press #72 to monitor the second door phone

During monitoring, press “*1” to open the lock of door phone also.

Appendix IV. intelligent Routing select (LCR)

The system has the Intelligent Route select functions(Automatic least-cost routing(LCR) function),this functions will allow you to use the new&cheap communications network . The system has two models to execute this function:

Manual-select the least-cost routing model:when the user dial out,the system will select the least-cost routing accrding to the outgoing access-code.

Auto-select the least-cost routing model: When the user dial out , the system will select the least-cost routing according to the routing numbers which is set in the system.(the user no need to dial any special access-code,the system will select routing intelligently.

The system will make the trunk line to two types: (trunk line=c.o.line)

Normal trunk line (c.o.line): normal Telecom trunk line

Special trunk line: it means the communications network of New telecom carriers / VOIP / GSM / CDMA.....etc, which can offer the cheap rate for some international call, some domestic-long-distance-call.

Programming setting:

The follows format should be in programming status :

Instruction: 0700#

Description: Initial setting for Routing-function ,In default setting ,Routing function disable, the system treat all c.o.line as normal trunk line.

Instruction: 0710#

Description: Routing function enable and In Auto-select the least-cost routing model

Instruction: 0711#

Description: Routing function disable,also cancel the system In Auto-select the least-cost routing model

Instruction: 0720#

Description: Routing function enable and the system In Manual-select the least-cost routing model

Instruction: 0721#

Description: Routing function disable,also cancel the system In Manual-select the least-cost routing model

Instruction: 0730#

Description: The system will go to the normal trunk line if the special trunk line is busy.

Instruction: 0731#

Description: Don't allow the system use the normal trunk line if the special trunk line is busy.

Instruction: 0740#

Description: allow the normal trunk line outgoing & incoming.

Instruction: 0741#

Description: Don't allow the normal trunk line outgoing.

Instruction: 0750#

Description: allow the special trunk line outgoing & incoming

Instruction: 0751#

Description: Don't allow the special trunk line outgoing.

Setting the trunk line to Normal trunk line / Special trunk line

Instruction: 0760#

Description: all trunk lines are set as the Normal trunk line

Instruction: 076M#

Description: The trunk lines NO.M is set as the Normal trunk line(M=1-8)

Instruction: 0770#

Description: all trunk lines are set as the Special trunk line

Instruction: 077M#

Description: The trunk lines NO.M is set as the Special trunk line(M=1-8)

Setting outgoing access-code for Special trunk line

Instruction: 078K#

Description: In Manual-select the least-cost routing model, setting outgoing access-code K for Special trunk line.



- Remark: 1. K=1,28 (K can't be 9, 0)
2. K can't be same as the first digit of extension number

Setting the certain numbers for Routing to Special trunk line

(In Auto-select the least-cost routing model)

Instruction: 08#

Description: Clear all the certain numbers for Routing to Special trunk line .We recommend the user to use this format before setting the certain numbers for routing , which can clear the previous storage.

Instruction: 08QABC#

Description: Setting a certain number starting with ABC for Routing to Special trunk line

Instruction: 08Q#

Description: Clear the certain number of group Q for Routing to Special trunk line



- Remark: 1. ABC is the initial digits of the calling unumber for Routing to Special trunk line, ABC can be 1 digit to 3 digits ,for example: ABC can be: 0, 52 , 139.
2. Q is the group series number from 01 to 16, Q is 2 digits.



0700#



In programming status

.....

Confirm tone

08QABC#

Operating instruction:

Setting the trunk lines to Normal trunk line / Special trunk line → Enable Routing function & Setting In Auto-select the least –cost routing model / In Manual-select the least-cost routing model → setting Outgoing access-code(K) for Special trunk line → setting the certain numbers for Routing to Special Trunk line → then Operating as follows:

In Manual-select the least-cost routing model

If the extension is in indirect dialing-out mode, →

Use the Normal trunk line: Pick up the handset → Dialing 9 out → the calling number

Use the Special trunk line: Pick up the handset → Dialing K out → the calling number

If the extension is in direct dialing-out mode, Pls note: you must input* to enter the intercom status

Use the Normal trunk line: Pick up the handset → thecalling number

Use the Special trunk line: Pick up the handset → input * → Dialing K out → the calling number

In Auto-select the least-cost routing model

You can dial out same as before.If the number you dialed belong to the certain number setting for Routing to Special trunk line, then the system will auto-select the Special trunk line to dial out.

Otherwise the system will go to the normal trunk line to dial out.



For example: One user has 5 local telecom trunk lines, at this moment GSM carriers offer the cheap rate for long-distance call and some cheap rate for some call, In order to save the communication cost, so he decide to add 3 GSM trunk lines for PABX, he can do as follows:

1. Connect 5 local telecom trunk lines to port NO.1-NO.5, connect 3 GSM trunk lines to port NO.6-8.then In programming status,input the follows format one by one: 0760# , 0777#,0778#, After setting ,NO.1-5 trunk line is set as the Normal trunk line,NO.6-NO.8 trunk line is set as the Special trunk line.

2. If use Manual-select the least-cost routing model ,he decide to use 6 as outgoing access-code for Special trunk line, Then In programming status, input format: 0786#, 0720#

If use Auto-select the least-cost routing model,

3. In Auto-select the least-cost routing model, for example: if he dial: 0757-88888888 / 13888888888 / 528000, then the system auto-select NO.6-NO.8 GSM trunk line to dial out.

In Manual-select the least-cost routing model, if he dial 9 out ,the system will select NO.1-5 local telecom trunk line ,if he dial 6 out ,then the system will select NO.6-8 GSM trunk line.

(If the extension is in direct dialing-out mode , Pls note: you must input* to enter the intercom status at first)

Appendix V. PC charge System

Enabled to choose a computer as control platform, and PC586 or high grade PC is an option if need be. (Its functions include telephone administration, programming set, system reset, charging, etc.) The serial port of PC should be joined to port COM1 of the switching system with a connecting cable. And then the printer can be linked to PC.

Symbol	9-pin KTS	9-pin PC	25-pin PC	Remark
RXD	2	3	2	Receive Data
TXD	3	2	3	Transmit Data
GND	5	5	7	Ground

Feature:

- Administrative function of charge rate.
- Inquiry & Print call bills.
- Powerful function of system programming. (the simple and easy window will make you very convenient to set / save / change programming data.)
- PC can display the status of C.O.lines & Extensions.



Remark: Pls read the help-file of software carefully.

Appendix VI. Index of Basic Operation

No.	Description	Indirect outward mode Command	Direct outward mode
1	Outward Dialing	9(DSS KEY) + desired number	desired number

2	Outward Dialing by a Exclusive Line	# 1 M(DSS KEY)	* # 1 M
3	Outward Dialing by personal password	# *5+UVWXYZ+9+desired number	##*5+UVWXYZ+9+desired number
4	Intercom calling	Ext number(or DSS KEY)	* + Ext number
5	Call Transfer	Pat hook (press TRANFER KEY)+ Ext number	
6	Secretary Function	Pat hook (press TRANFER KEY)+ Ext number	
7	3-Party Conference Call	Pat hook(press TRANFER KEY) + * + Ext	
8	Caller on holding	Pat hook + # #(or press HOLD KEY)	
9	Call Pickup	# 3+ Ext number	* # 3 + Ext number
	Call Pick up for CO.LINE	# 1 +M	* # 1 +M
	Call Pickup(for all calling)	#9	* # 9
10	Call switch(for all calling)	Pat hook (press TRANFER KEY)+ # 9	
	Call switch(for Co.line M calling)	Pat hook (press TRANFER KEY)+ # 1+M	
	Call switch(for doorphone calling)	Pat hook(press TRANFER KEY) + # 2	
11	Call Forwarding Directly	Setting: #81 +Ext number	*#81 + Ext Number
		clear : #81#	*#81#
12	Call Forwarding when Ext is busy or nobody available	Setting: #82 +Ext number	*#82 + Ext number
		clear : #82#	*#82#
13	Automatically Call back Busy- come on	# 0	* # 0
14	Automatic Reporting of Ext number (voice)	# 61	* # 61
15	Reporting of Ext number for caller ID phone	# 62	* # 62
16	Reporting of system time	# 63	* # 63
17	Reporting of system version	# 64	* # 64
18	Reporting of system date	# 66	* # 66
19	Connect with Operator Directly	0	* 0
20	Monitor first doorphone	#71	*#71
21	Monitor second doorphone	#72	*#72
22	Access and Monitoring CO.LINE	# 79 M	* # 7 9 M
23	Access and Monitoring Ext	# 7 8 +Ext number	* # 7 8+Ext number
24	c.o.line transfer to c.o.line	Pat hook + #* (3-Party conference)	
		Pat hook + #6 (c.o.line transfer to c.o.line)	
25	Setting alarm clock	#4hhtt	*# 4hhtt
26	Setting Don't disturb	#83	*# 83
27	Emergency call	#86	*# 86
28	Use broadcast function	#88	*# 88

Appendix VII. Index of system programming

No.	Description	Command
-----	-------------	---------

1	Start the System Programming	(*)#*EFGH
2	Change the System Password	09 efgh #
3	System time setting----year/month/date	01YYMMDD#
4	System time setting----hour/minute	02hhtt#
5	System time setting----week	020000w#
6	Delay time before charging	03TT#
7	Clear system's storage of all call bills	0400#
8	Set day/night mode to automatically mode	040#
9	Set day/night mode to manual mode	041#
10	day mode start time	042HHTT#
11	day mode end time	043HHTT#
12	Using the OGM day & night	0440#
13	Using the OGM in day mode	0441#
14	Using the OGM at night mode	0442#
15	Setting OGM of W paragraph mode	045W#
17	Disable the alarm clock functions of all extension	05#
18	Disable the alarm clock functions of extension No.N	05N#
19	setting the alarm clock of extension No.N	05Nhhtt#
20	Enable all CO.line	0600#
21	disable all CO.line	0610#
22	Enable NO.M CO.line	060M#
23	Disable NO.M CO.line	061M#
24	OGM paragraph 1 Recording	121#
25	OGM paragraph 2 Recording	122#
26	OGM paragraph 3 Recording	123#
27	OGM paragraph 1 Monitoring	131#
28	OGM paragraph 2 Monitoring	132#
29	OGM paragraph 3 Monitoring	133#
30	OGM Recording(One paragraph 20s mode)	1200#
31	OGM Monitoring(One paragraph 20s mode)	1300#
32	Monitoring the holding Music	14#
33	All C.O line in Auto-attendant Mode	10#
34	C.O.line M in Auto-attendant Mode	10M#
35	All COs in Operator Mode	11#
36	C.O.line M in Operator Mode	11M#
37	set ext N as operator	15N#
38	System option for no dialing in The DISA----Cut off c.o.line	160#

39	System option for no dialing in The DISA----transfer	161#
40	Set no dialing in The DISA Transfer to Operator or Exts groups NO.	161K#(K=0-4)
41	System option for transfer to a no answer Ext---Call back the extension	162#
42	System option for transfer to a no answer Ext---Don't call back	163#
43	Set Exts groups in the meeting work mode	168#
44	Set Exts groups in the normal work mode	169#
45	Setting switch &CO.line holding time	186TT#
46	Direct-dialing-out mode for Ext.N	2N0#
47	Indirect-dialing-out mode for Ext.N	2N1#
48	Direct-dialing out mode for all the Exts.	20#
49	Indirect-dialing-out mode for all the Exts	21#
50	Del all member in the Exts groups	220(21...23)#
51	Add member in the Exts.groups(for 308)	220(21...23)N1N2...#
52	Enable Exts N ring When No.M C.O line calling(in day mode)	30MN0#
53	Disable Exts N ring When No.M C.O line calling(in day mode)	30MN1#
54	Disable all Exts ring When No.M C.O line calling(in day mode)	30M#
55	Enable Exts N ring When No.M C.O line calling(in night mode)	31MN0#
56	Disable Exts N ring When No.M C.O line calling(in night mode)	31MN1#
57	Disable all Exts ring When No.M C.O line calling(in night mode)	31M#
58	Assign dialing-out class L for certain Ext. N in day mode	44NL#
59	Assign dialing-out class L for all Exts in day mode	44L#
60	Assign dialing-out class L for certain Ext. N in night mode	45NL#
61	Assign dialing-out class L for all Exts in night mode	45L#
62	Restrict the Certain Numbers from item A	41 Q ABCD #
63	To cancel the restriction of item A	41 #
64	To clear group Q of restriction item A	41Q#
65	Restrict the Certain Numbers from item B	42 Q ABCD #
66	To cancel the restriction of item B	42 #
67	To clear group Q of restriction item B	42Q#
68	Assign Special Calling-out Numbers	43 P ABCD #
69	To cancel the permission of special calling-out numbers	43 #
70	To cancel group P of special calling-out numbers.	43 P#
71	Private password setting---Setup No. UV	5UV WXYZ L#
72	Private password setting---Rescind the No. UV	500#
73	Private password setting---Rescind the No. UV	5UV#
74	Time Restrict Setting	6NTT#

75	To cancel time restrict	6N00#
76	assign the extensions N to use t C.O.line M in day mode.	70MN0#
77	To restrict the EXT.N to use C.O line M in day mode	70MN1#
78	Allow every Exts. to use C.O line M in day mode	70M#
79	assign the extensions N to use t C.O.line M in night mode.	71MN0#
80	To restrict the EXT.N to use C.O line M in night mode.	71MN1#
81	Allow every Exts. to use C.O line M in night mode	71M#
82	The Exts &Exts groups number return to the default setting	9000#
83	To change the Ext.N to new number "abcd"	9Nabcd#
84	To change the Ext.groups number to new number "abcd"(for 308)	920(21..23)abcd#
85	To change the Ext.groups number to new number "abcd"(for 832-416)	980(81..83)abcd#
86	Return to Default Setting	0000 #