Contents

Chapter 1 Product Introduction

Welcome to choose this telephone exchange system, please read this manual carefully before use. Should you have any query during installation or operation, please feel free to contact us.

1.1 Summary

This system is a latest telephone exchange developed by our company who has accumulated in the filed of telecommunication many years. On design, it was adopted for professional communication control theory. On quality, it was adopted for industrial electronic components. On production, it was adopted for standard of ISO9000. It has the characteristic like excellent call quality, reliable stability, strong expansibility, convenient maintenance, good compatibility etc.

This system support PC call billing software and simple hotel management facility. User can easily set and operate the system. The system provide the features like status monitor and call bill record, inquiry, statistic, management, print-out, deposit, alarm clock wake up etc.

This system can be widely applicable in hotel, school, office, company etc..

1.2 Main features

◆ Extension number inquiry: the extension number can be checked by caller ID. And it can be also checked version number, system time.

◆ Intercom and transfer caller ID: this system is adopted for the latest caller ID control technology. Intercom caller ID is available, and external line caller ID can be received accurately, compatible for FSK/DTMF dual mode.

◆ Fax detect(optional): when system is in auto attendant work mode, it can auto detect whether the incoming call is fax signal, and transfer the signal to corresponding fax extension.

◆ External music interface: user can freely choose whether use external music source as on hold/transfer music

◆ Paging interface: by using this interface, user can choose external broadcasting system to search people. Or in optional configuration, this interface can be also recorded OGM message from PC.

◆ Flexible programming mode: this system can be programmed by either programming extension or PC management software.

◆ Operator function: operator has the priority as call hold, call pickup,call transfer, call forward, boss/secretary. This system can be setting four operators. And operator can program the system, can make call barge in etc.

◆ Extension number flexible coding: this system can be setting 2 to 6 digits unequal extension numbers.

◆ C.O/Ext Group: this system can be setting up to 32 C.O/extension groups.

◆ Day/night work mode: this system is built in real time clock, can auto switch to the outgoing call class in day and night, incoming intercom call, outgoing C.O line priority. And it is with lunch time and weekend mode setting.

◆ Incoming call multiple working mode: including ring simultaneously in operator mode, round robin ring in operator mode, ring queue in operator, system CRBT, call center(average traffic), auto-attendant work mode. And different work mode can be switched flexibly, i.e. When auto attendant is busy system can be switched into other operator work mode.

◆ Multiple dial out mode: Except for direct dial out/indirect dial out mode, system can be setting different mode like "select certain C.O line, booking certain C.O line, least cost routing, auto call forward" to dial external number. Redial feature is available in any mode.

◆ Multiple extension number dial mode: except direct dial extension number, system can be setting other mode like dial 0 for operator, extension(or Ext. Group) number fast dialing etc.

◆ Auto attendant(DISA): this system is configured up to 4 channel OGM, and the voice message can be set in 6 section.The message duration can be setting as per needs.

◆ Speed dialing: speed dialing is available for intercom call and Ext.dialing in auto attendant mode. That means dialing only one digit to reach the corresponding extension.

◆ Call transfer: both external call and intercom call can be transferred to either extension or ext group.

◆ Call forward: when extension is busy or no answer, can set the incoming call to be forwarded to other extension or another Trunk line.

◆ Call pickup: any extension can pickup the call from other ringing extension.

◆ Call restriction: this system can be set the class assignment for all extension, call duration restriction, restrict certain extension accessing trunk line, restrict extension call pickup, restrict extension to dial certain intercom line. And can be also set Do Not Disturb(DND), dynamic locking etc.

◆ Ring Identify: different ringing pattern for intercom call, C.O line incoming call and door phone incoming call

◆ Three party conference, call conference, auto CO to CO transfer: the call among of two extension and one C.O line, or two C.O line and one extension is available.

◆ Multi-party conference: system is available for call conference between 8 C.O lines and multiple internal extension.

◆ Call switch: during the call with trunk line, if there is another C.O line or door phone or other extension call arriving, system can hold the call,and pickup another call.

◆ Memory dialing: System can store 96 groups C.O line number. And each C.O line can be setting an abbreviated short code, user can dial this code instead of full number.

◆ Private password: system can be set up to 128 password account. Corresponding to different level, user can dial external number at any extension

by using private password.

◆ Internal hotline: any extension can be setting dial operator directly once off hook

◆ Alarm clock voice prompt: alarm clock can be setting by extension, operator or PC software. Meanwhile, the fifth paragraph OGM message can be setting as alarm clock prompt message.

◆ Intercom call/Door phone function: All extension can be setting as intercom call mode. Extension is off hook, to call designated ringing extension, and the calling extension can be setting music on hold or ring back tone. When extension is setting as door phone,door lock opener is available by code.

◆ Door lock opener/Remote controller: this system can be setting 2 door lock opener interface, and this interface can be also work as bell or other controller(remote controller, remote lock-opener).

◆ Least Cost Routing(LCR): system can be setting flexibly access certain C.O line at least cost routing, different number to access different operator C.O line, to save telephone rate. System can be setting 4 group special trunk and 1 common trunk.

◆ Prefix dialing: system can be setting 4 groups different long distance prefix number, to corresponding to different C.O line number(work in with LCR)

◆ PC OGM download: user can download the recorded voice message to system, to work as OGM.

◆ Multiple call billing mode: system has the function as incoming call billing, outgoing call billing, can set delayed billing or reverse polarity billing.

◆ PC management software: it can display the working status for each extension and each C.O line,including incoming and outgoing call.SMDR(Station Message Detail Recording)

◆ Call billing interface:system can be setting different rate to make call billing and print out the call bill. When PC is power off, system can store 3000 billing data.

◆ Hotel Management: this system has simple hotel management function, like wake up, deposit, and call bill can be forwarding to professional hotel management software through 232 communication, network, text etc..

◆ Memory protect while power off: when power off, system can store all previous setting, no need to reset when power on.

◆ Remote maintenance: system support remote programming, detect and maintenance. Convenient for installation, debugging.

Chapter 2 System Structure and Installation Instruction

The interface of this system have two parts: extension part & C.O line part. For extension card, 8 port per card. For C.O card, 4 port per card, the maximum capacity is 8 C.O, 32 extension.

System can connect external device
- Regular analog single line telephone(SLT), cordless phone, fax machine, computer, modem, telephone transmitter
- System can be configured up to 4 key phone(optional)

2.1 Product view

Front view(sketch 2-1)

（Sketch 2- 1）

2.2 Attention before installation

Please pay attention to the important items of installation:

1. The system should be installed at a stable indoor place with dry, ventilated environment.(Temperature Range: 0-45℃ , Humidity Range :20%-80%.Avoid straight sun shine or in the environment of flammable or corrosive gas.) standard telephone wire is preferable.

2. A marginal space around the exchange should be remained for heat sink, inspection and maintenance of the system.

3. Wall installation and desk installation are allowed. But pay attention that the wall bolt do not contact with the circuit boards inside the main frame to avoid damage to the circuit boards.

4. Please keep the system away from other equipment producing large electromagnetic disturbance (such as motor and large transformer).

5. Telephone lines should not wire together with power supply cable or antenna cable. Neither should the extension be close to antenna for air broadcasting (including short-wave).

6. Avoid damage to the power-supply cable. Keep it away from water. Cut off the power immediately when water leakage happens.

7. Please don't strike or shake the system at any situation. Don't move the system in working status.

8. If the wiring pipeline of the extension is interfered by electromagnetic wave while substitution is unavailable in site, special insulating wire is suggested, also, the insulating net of which should be grounded.

Warning：
1. The wiring should not be done in lightning.
2. Avoid using telephone in thundering.
3. Please don't use the telephone in flammable and leaking gas environment.
4. Unless the equipment is disconnected, please don't touch the broken part of the wiring or any connection ends.
Note: Lightning stroke is an accident, which will not be regarded as normal maintenance

Chapter 3 Glossary Interpretation and Default Setting

3.1 Glossary interpretation

- Flash hook: it is an operation, generally it is used when doing call transfer, pat the hook of telephone around 1 second, then release it. If the operation is correct, system will give continuous beep confirmation tone. If not hear beep tone or hear three single beep tone, means operation is failed, need to redo it. This operation is correspond to press R key(or Flash key)on telephone.
- Off-hook/On-hook:Off hook means pick up the handset of telephone. On-hook means hang up the handset of telephone.(if use handsfree, press HF key is also an operation of off-hook, press again is an operation of on-hook)
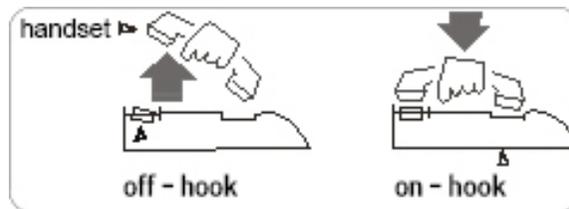
（Sketch 3- 1）

- C.O line: means the line from provider, also called trunk. Connect with CO port 1-8 of system.
- Internal line: means user line, connect with EXT port 101-132 of system. The telephone connected is called extension
- Direct dial out mode: extension connect with the exchange network from provider directly, user hear the external dial tone, can dial external number directly, can also dial * to use indirect dial out mode.
- Indirect dial out mode: extension connect with internal exchange network of system, user hear internal dial tone, can dial internal extension directly, or dial 9 to switch into direct dial out mode.
- Auto attendant: system built in voice welcome message, also called OGM. Play different voice to caller according to different situation(on default setting, no OGM recorded)
- Operator: also called reception(or information)extension. When external caller

call in, dial 0 for operator, or in internal line status, dial 0 for operator. This system can be set 4 operator. When incoming call arrives, will ring the first operator firstly, if busy will ring the second operator. On default setting, the second user port(Ext.102) is the first operator, the first port(Ext.101)is the second operator.

3.2 System initial parameter value(default setting)

- System programming password is 0000
- The first operator is Ext.102, the second operator is Ext.101
- Ext dial 0 to call operator
- Extension number range from 101 to 132
- Ext group number is 801 to 832
- The members of Ext.group and C.O group: no setting
- C.O port 1-8 are disabled.
- Ext dial "9" for outgoing call, all extension can dial any call(restriction level is 1)
- Ext pickup level is 3, can only pickup self hold line and designated ringing extension.
- All extension in day/night mode allowed to access all C.O line.
- Outgoing call is in average traffic mode. C.O line is in duty-cycle operation
- All C.O line is in manual ring mode. When C.O line incoming call arrives, Ext.102 will ring
- When no dial in OGM mode, or busy or no answer, C.O line will be cut off
- Call forward(always/busy/no answer)setting protect while power failure: no setting
- Caller ID receiving mode is auto detect mode
- Maximum flash time is 1000ms

Chapter 4 Quick Setting & Operation Instruction

4.1 Quick setting(Initial setting method)

When use this system at the first time, please enable C.O line according to practical situation, and set system work mode for C.O line incoming call. This chapter is a quick setting steps, for more detailed setting please refer to Chapter5 & Chapter 6

4.1.1 Enter system programming status

Please use any one of the first 4 extension(Ext.101-104)to program this system. Here let's take example for Ext.101 as programming extension: off-hook Ext.101, input *#*0000, after hear a single beep tone, means system is in programming status. User can continue to input other code to program the system.

☞ **Notes:**
If you need to restore default setting, in programming status, input 0000#, after hear a beep tone, input 9000#, after hear a beep tone, system will be restored default setting.

4.1.2 Enable C.O line

If you need to access C.O line or receive external incoming call, firstly you must enable the C.O line to be connected, and disable the C.O line to be not connected.
Notes: on default setting, all C.O line is disabled, you must enable CO line as per actual condition.
Case 1: Enable C.O line 1 and 2
Setting step: firstly enter programming status(off hook Ext.101, input *#*0000), input 101# (disable all C.O line port), after hear a beep tone input 60012#, after hear a beep tone, C.O line 1 and 2 port are enabled.

4.1.3 Manual working mode for C.O line incoming call (operator work mode)

On default setting, when C.O line incoming call arrives, system will ring Ext.102, if

busy will ring Ext.101.

4.1.4 Auto-attendant working mode for C.O line incoming call (OGM mode)

Auto-attendant mode: when C.O line incoming call arrives, caller will hear a voice guidance message, below is one common application:

Case: OGM is only played when C.O line incoming call arrives(one section mode)
Setting step: enter programming status(*#*0000),input 1111#, after hear a beep tone, record the message by handset. For example: "Welcome dial ABC company, please dial extension number or dial 0 for operator, for fax please dial 108". After finish the recording, please on hook handset.
If you want to check the recorded message, in programming status(*#*0000), input 1211#, now you can hear the recorded message and check whether it's ok. After finish playing, you will hear a beep tone, if it's not ok you can input 1111# to record again. If it's ok, you can continue to input 621#(set auto attendant working mode for system), after hear beep tone, input 6501#(set OGM in single section).

4.1.5 Ext.port number inquiry and Ext number flexible coding

On default setting, the extension number is 101 to 632, the Ext. Number can be flexible coding in 2-6 digits, different Ext can be coding different digits. And user can check Ext number by caller ID telephone.

Inquire Ext number by caller ID

Off-hook the corresponding extension, input *#62, after hear a beep tone, on-hook the telephone, after a while you will hear a ring, and you can see the Ext. port number on display of telephone, the first 2 digits is port number, the rest digits is Ext number. For example, No.7 port Ext. Number is 107, then will display 07107

Ext number flexible coding

Case: You need to change port 01 extension number(original number is 101) into 88, change port 02 extension number(original number is 102)into 666, change port 03 extension number(original number is 103)into 123456. The operation steps: enter programming status(*#*0000), input 900188#, after hear a beep tone, then input 9002666#, after hear a beep tone, input 9003123456#.

4.2 Quick operation instruction

4.2.1 Dial extension

Dial step: off-hook(such as Ext.105), after hear internal dial tone(continuous beep tone), dial the corresponding extension number directly(such as dial 103), then Ext.103 will ring, off-hook, can talk with Ext.105. Any party on hook, the other party will hear engaged tone.

Call booking steps: similar as above example, when Ext.105 call Ext.103, if 103 is busy then 105 will hear busy tone, now Ext 105 can press *, after hear a beep tone on hook. When Ext 103 is free, system will ring Ext.103 and 105 at the same time. Any extension off hook at first will hear ring back tone, when the other extension off hook, they can talk each other.

4.2.2 Dial operator

Off-hook, after hear internal dial tone, dial 0 to call operator directly.

On default setting, the first operator is Ext 102, the second operator is Ext 101, when other extension dial 0, if first operator Ext 102 is busy, will ring Ext 101. If you want to cancel the second operator, off hook on 101, input #*# 0000, after beep tone input 141#. If you want to add the third operator(i.e. Ext. 106 as the third operator), in programming status input14306#.

4.2.3 Outgoing call operation

Mode 1: Dial 9 for outgoing call

Off hook extension, after hear internal dial tone, dial 9 then hear external dial tone, dial the desired outgoing number.

Mode 2: Select C.O line

Off hook extension, after hear internal dial tone, dial *1 + C.O line port number(two digits). For example if you want to select no.2 Trunk line, you can dial *102, now you can access C.O line 2 for outgoing call

C.O line booking operation

As above operation, if user can not hear external dial tone when dial 9 or *102, but hear internal busy tone(means the line is busy), user can dial * to booking the C.O line. When there is available C.O line, system will ring the extension till 10s, user can access this C.O line when off hook.

4.2.4 Call transfer operation

If operator need to transfer the incoming call to other extension, can flash hook(or press R key or Flash key), after hear beep tone, dial the Ext number.

☞ **Notes:**
①.During call transfer, if the call is hang up always, please flash hook more quickly
②.When transfer the outgoing call, you can only flash hook after 5 seconds when dial the last digit, otherwise the call will be hang up directly

4.2.5 Call pickup

Call pickup on common extension: Press * + ringing Ext number
Call pickup on operator extension: press * 9

4.2.6 Call forward to another C.O line

If some Ext user is not on seat, and he wants to forward the incoming call to his cell phone(such as 18923238930), he can off hook his extension, input *81*18923238930#, after hear a beep tone, setting is ok. All the call will be forwarding to his cell phone number. During call, he can press # on cell phone to continue with the conversation if hear continuous beep tone. After finish the conversation, he can press * to hang up the call directly.

4.2.7 C.O line reservation operation

During the conversation with C.O line, operator(or other extension)can reserve this C.O line, and do other operation like call transfer or intercom call. The operation is: flash hook quickly, then press * * after hear a beep tone, now the first C.O line on hold will hear holding music. If operator need to retrieve the hold trunk line, and press * * again.

Chapter 5 System Programming & Setting Mode

There are following three setting mode:

◆ Setting by system programming extension: setting by programming extension in programming status, need to input programming password to enter programming status.This setting is only used for administrator.

◆ Setting by operator extension: set some of parameter by operator extension, such as system time, day/night work mode,call forward on each extension, morning call, private password etc..This setting mode no need to enter in programming status

◆ Setting by common extension itself: each extension can set itself parameter, like call forward, DND, morning call, private password. This setting mode no need to enter in programming status.

5.1 Programming setting notes

● Programming extension is any one of the first 4 extension(Ext 101-104)

● All the programming setting must be performed in system programming status. And the programming extension should be used with dual tone multi frequency (DTMF) telephone with the keys as "*","#"

● For all programming step,you will hear a single beep tone if the operation is correct. And you will hear three continuous beep tone if the operation is incorrect. Only after you hear a single beep tone(confirmation tone), you can do the further step programming. And you can do continuous setting but no need to on hook.

● During programming, for any mistake operation, you can on hook and redo programming or press # , after hear three beep tone, input correct code

● After all programming is finished, the setting will take effect immediately. No need to reboot the system.

5.2 Setting notes:

The setting includes operator operation and common extension operation, both of them no need to enter programming status

"Operator Operation" in this manual: means it can be only set by operator extension

"Ext Operation" in this manual: means it can be set by any common extension itself.(also including operator)

5.3 Enter/Exit system programming status

5.3.1 Enter programming status(for first time)

At any one of the first 4 extension(Ext 101-104), pick up handset(off hook), input *#*0000, after hear a beep tone, means system is in programming status

| Pick up 101 | Input # * # 0977 | You will hear du | In programming status |
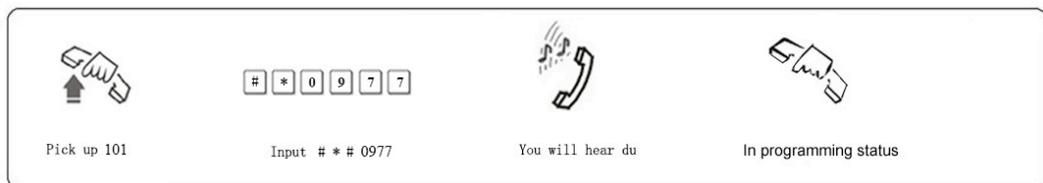
5-1

Notes：0977 is the initialized programming password.

5.3.2 Exit programming status

Programming extension on hook, exit programming status.

5.3.3 Change programming password

Code: 19EFGH#

Instruction: EFGH is the new password

5.3.4 Enter programming status(with new password)

Programming code: #*# EFGH
Operator operation : programming extension off hook + #*#EFGH
Instruction : EFGH=password. Default value is 0977.

5.4 Restore default setting

Programming Code: 1000#

Note: This code will not restore the extension number and C.O line status, if you want to restore ext number, use the code 1000#.

5.5 System soft reset

Programming Code 19999999#

Instruction: to reset the system when power is on.

5.6 System time setting

5.6.1 Set by programming

Programming code: 11YYMMDDW#
Instruction: YY: year, 2 digits 00-99; MM: month, 2 digits 01-12; DD: date, 2 digits 01-31; W: week, 1 digit 1-7
Case: set system time as Aug,18,2015, Tuesday, input the code 111508182#
Programming Code:12HHTTSS#
Instruction:HH:hour, 2 digits 00-23; TT: minute, 2 digits 00-59; SS: second, 2 digits 00-59
Case: set system time as 12:10:58, input the code 12 12 10 58#

5.6.2 Set by operator

Operator Operation: Off hook + (#)*11YYMMDDW#
                                    Off hook + (#)*12HHTTSS#

5.7 Inquiry function

5.7.1 Instruction

   User can check system version number, time, day/night status, extension number etc by extension. There is following inquiry mode:
● **Inquiry by caller ID**

5.7.2 Version number inquiry

Ext Setting: Off hook + (#)*64 + on hook   version number inquiry by caller ID phone

Instruction: any extension can inquiry version number, the number is in 10 digits, format is 832XXXGGHH

5.7.3 System time inquiry

Ext Setting: Off hook+ (#)*66 +on hook inquiry year/month/date/week by caller ID

Off hook+ (#)*63 + on hook inquiry hour/minute/second by caller ID

5.7.4 Extension work status inquiry

Ext Operation: Off hook +(#)*65 + on hook inquiry Ext work status by caller ID

Instruction: the status value is in 12 digit

1st digit: outgoing mode, 0: direct, 1:indirect

2nd digit: forward authority, 0:prohibit, 1: allow

3rd digit: internal hotline, 0: enabled, 1:disabled

4th digit: IP prefix dialing, 0: allow, 1: prohibit

5th digit: Ext call Ext, 0: prohibit, 1: allow

6th digit: Memory dialing, 0: prohibit, 1: allow

7th digit: Forward to trunk line, 0: prohibit, 1: allow

8th digit: Internal incoming call, 0: prohibit, 1: allow

9th digit: Intercom extension, 0: yes, 1: no

10th digit: Dynamic locking, 0: enabled, 1: disabled

11th digit: Work mode, 0: day mode, 1: night mode

12th digit: work mode, 0: manual, 1: auto

5.8 Music on hold

System is built in piano pattern music on hold, also with external music input interface. Notes: if no need to use external music, please remove the audio cable.

5.8.1 Preview the on hold music in programming status

Programming Code: 0400#

Instruction: you can preview the internal music on hold or external music on hold.

5.8.2 Switch between internal music and external music

Programming Code: 0420#　Enable internal music on hold(this is default setting)

0421#　Enable external music on hold

5.9 Enable/Disable C.O line

Programming code: 500#　　　Enable all C.O line

500M#　Enable No.M C.O line

001#　　Disable all C.O line

001M#　　Disable No.M C.O line

Instruction: The C.O line has to be enabled if the port is connected, if not connected, C.O line has to be disabled.

5.10 Ext number/Ext Group number and members

5.10.1 Ext number flexible coding

5.10.1.1 Set Ext number
Programming code: 20NABCD#　　Change No.N Ext new number as ABCD

Instruction: N is Ext port number, N=01-32, ABCD is new number in 2-6 digit,

Case: change No.08 port(Ext.108)number as 8008, in programming status, input 20 08 8008#.

I**nstruction:**

1. Ext number can not be set with prefix 0, 9 and LCR prefix number

2. Each Ext number can not be identical or duplicate(i.e: 60 and 1001 are duplicate)

5.10.1.2 Restore all Ext number to default setting
Programming code: 2000#

Instruction: in programming status, input 2000#, all the Ext number will be restored to default 101-632. This code will not affect Ext group number

5.10.1.3 Ext number inquiry
Ext Operation: Off hook + *61 + on hook, inquire Ext number by caller ID

Case: inquire the number for Ext.107, off hook, input *61, then on hook, will display "107"on telephone

5.10.1.4 Ext port number and Ext number inquiry
Ext Operation: Off hook + *62 + on hook, inquire Ext port number and Ext number

　　　　　　by caller ID

Case: If No.7 Ext number is 107, then will display 07107

5.10.2 Ext group number & members

5.10.2.1 Ext group instruction

● This system can be set up to 32 Ext group, group number is 01-32, each group can be added any extension from No.01-32.

● The members of each Ext group can be duplicate

● When external caller call Ext group, all members in group will ring simultaneously

5.10.2.2 Set Ext group number

Programming code: 22GABCD#

Instruction: change No.G Ext group into new number ABCD, ABCD is new Ext group number, 2-6 digits. G is group number 01-32

Case: change Ext number in No.01 Ext group as 21, in programming status, input 22 01 21#

5.10.2.3 Restore Ext group number to default setting

Programming code: 2200#

Instruction: in programming status, input 9200#, all Ext group number will be restored to 801-832

5.10.2.4 Ext group member setting

Programming code: $24GN_1N_2*N_3…N_5$#

Instruction: set the members in No.G Ext group. G is Ext group 01-32, N_1、 N_2、 N_3、 N_5 are Ext port number 01-32

Case: Set the members in No.1 Ext group as 101,102,109-118, total 12 Ext, in programming status, input 24 01 01 02 09*18#

5.10.2.5 Clear Ext group members

Programming code: 24G#   clear the members in No.G Ext group

                   22400#   clear all Ext group members

Notes: for initial setting, we suggest at first use 9400# to clear all members, then set

5.11 Ext dial out mode

Programming code: 900#   Set all Ext as direct dial out mode

                   900 N#   Set Ext.N as direct dial out mode

                   901#   Set all Ext as indirect dial out mode

                   901 N#   Set Ext.N as indirect dial out mode

Default setting: all Ext are indirect dial out mode, dial 9 for outgoing call

Case: Set Ext 101-108, 120 as indirect dial out mode, in programming status, input

900 01*08 20#

5.12 Operator function

5.12.1 Set operator

Programming code: 14KN#　Set No.N Ext as No.K operator

14K#　Clear No.K operator

Instruction: 1. N is Ext port number N=01-32, K is the operator serial number K =1-4

2. Any Ext can be set as operator(1-4), when the first operator is busy, will ring the second operator, and so on.

Case: Set Ext 103 as second operator, in programming status input 14 2 03#

Default setting: the first operator is Ext 102(port number is 02), the second operator is Ext 101(port number is 01), the third & fourth operator are not set.

5.12.2 Enable/Disable fast dial operator

Programming code: 1400#　Enable fast dial operator(dial 0 for operator)in internal status, this is default setting

1401#　Disable fast dial operator in internal status

Notes: this code is only for dial 0 for operator in internal status, no affect the setting in auto attendant work mode(dial 0 for operator).

5.12.3 Fast dial operator setting

Programming code: 104X#

Instruction: set dial X for operator, X = 0-9. If Ext is in indirect dial out mode, dial X to call operator directly, no need to dial operator Ext number. If in direct dial out mode, need to dial * back to internal status, then dial X

Default setting　X = 0

Notes: 1. The code for fast dialing operator should be different with C.O line outgoing code, otherwise will cause dial confusion.

2. This setting will affect the operation in auto attendant work mode(dial 0 for operator)

5.13 Day/Night work mode

Day/night work mode indicate the extension working status. There are manual

mode and auto mode. Manual mode is managed by operator, auto mode is switching according to the time setting. On default setting, system is in manual day/night mode.

5.13.1 Day/Night switch mode

Programming code: 1300#   Set system in manual day/night work mode

1301#   Set system in auto day/night work mode

Operator Operation: Off hook + *22#   set system in auto day/night work mode

Off hook + *23#   set system in manual day/night work mode

5.13.2 Set Day/Night mode switching date & time

Programming code:

131HHTT$_1$HHTT$_2$HHTT$_3$HHTT$_4$#   Set the timetable for work mode 1

132HHTT$_1$HHTT$_2$HHTT$_3$HHTT$_4$# Set the timetable for work mode 2

133W$_1$W$_2$*W$_3$…W$_5$#   Set the date of full work (full day work mode)

134W$_1$W$_2$*W$_3$…W$_5$#   Set the date for full break (full night work mode)

135W$_1$W$_2$*W$_3$…W$_5$#   Set the date for work mode 1 (normal work mode)

136W$_1$W$_2$*W$_3$…W$_5$#   Set the date for work mode 2 (Saturday mode)

Instruction:

1. HH - hour 00-24,TT - minute 00-59

HHTT$_1$ is the work time in the morning(also the starting time in day);

HHTT$_2$ is the closing time in the morning(also the starting time for lunch);

HHTT$_3$ is the work time in the afternoon(also the ending time for lunch);

HHTT$_4$ is the closing time in the afternoon(also the starting time in night)

2.W$_1$, W$_2$, W$_3$, W$_5$ is week 1-7, can set some date as one of the following 4 mode

A). Full day mode: if system is set in this mode, will auto switch into full work mode, all the setting is as per day work time.

B).Full night mode: if system is set in this mode, will auto switch into full break mode, all the setting is as per night work mode.

C).Work mode 1: if system is set in this mode, will auto switch different work mode (status). For example, Monday to Friday is work day, is suitable for this mode

D).Work mode 2: if system is set in this mode, will auto switch different work mode(status). For example, Monday to Saturday is work mode.

Case: Set Monday to Friday 08:00-12:00, 14:00-17:30, Saturday 08:00-12:00 is work time, Saturday afternoon and Sunday is break time. Setting way is: in programming status, input 131 0800 1200 1400 1730#(set the timetable for work mode 1), after hear a beep tone, input 132 0800 1200 1200 1200#(set the timetable for work mode

2), after hear a beep tone, input 03407#(set Sunday is break time), after hear a beep tone, input 135 01*05#(set Monday to Friday is in work mode 1), after hear a beep tone, input 13606#(set Saturday is in work mode 2)

Notes: Above setting is only valid in auto day/night work mode

5.13.3 Day/Night work mode in manual

Operator Operation:

Off hook + *20#   set system is in day work mode
Off hook + *21#   set system is in night work mode

5.14 Intercom call

5.14.1 Ringing time for intercom call

Programming code: 180TT#   Set ringing time for intercom call
Instruction: TT=00-99, unit is second, 00 means ring always
Notes: this time should be longer than the time of call transfer and call forward. Otherwise will cause the ringing of chaos
Default setting: TT=30

5.14.2 Intercom call priority

Programming code: 940#   Restrict intercom call for all Ext.
                              940N#   Restrict intercom call for Ext.N
                              941#   Allow intercom call for all Ext.
                              941N#   Allow intercom call for Ext.N
Instruction: When Ext is restricted for intercom call, can only dial operator
Default setting: All Ext is allowed for intercom call

5.14.3 Ext group call mode

Programming code: 1630#   Set Ext group in conference mode
Instruction: In this mode, when call Ext.group, all member Ext will ring simultaneously, and each Ext can talk with the calling Ext if off hook, the other Ext on hook keep ringing

Programming code: 1631#　Set Ext group in common call mode,this is default setting.

Instruction: In this mode, when call Ext group, all members Ext will ring simultaneously, and when any Ext off hook to talk with calling Ext, the other extension stop ringing.

5.14.4 Intercom call operation method

5.14.4.1 Dial operator

Ext operation: Off hook + (#) + 1

Instruction: no need to dial # in indirect dial out mode

5.14.4.2 Dial Ext

Ext operation: Off hook + (#) + Ext number

Instruction: 1. No need to dial * in indirect dial out mode

　　　　　2. Intercom call can be picked up as well.

5.14.4.3 Dial Ext group

Ext operation: Off hook + (#) + Ext group number

Instruction: this operation is only valid when Ext group number & members are set.

5.14.4.4 Internal line booking

Ext operation: When Ext.A call Ext.B, if B is busy, A can press *, on hook after hear beep tone. When B is available, both of two Ext will ring simultaneously.they can talk each other when off hook

☞　① Booking is not available for Ext. Group calling or wrong number dialed.

　② After booking, Ext can do other operation. But no save if power failure.

5.15 Outgoing call

　　Outgoing call is also called dial external number,it is related to dial out mode, When Ext is in direct dial out mode, for outgoing call, can dial the external number directly, for intercom call, need to dial #(back to internal status) + Ext. number. When Ext is in indirect dial out mode, for outgoing call, need to dial 9 + C.O line number.

5.15.1 Outgoing call code setting

Programming code: 102X#

Instruction: X = 0-9, when Ext make outgoing call in indirect dial out mode, need to access the C.O line by dialing this code.

Default setting X = 9

5.15.2 Outgoing call traffic mode

Programming code: 1600#

Instruction: Set the outgoing call(dial outgoing code 9) traffic mode is duty-cycle operation(average traffic), the duty-cycle mode is from small to high

Programming code: 0601#

I**nstruction:** Set the outgoing call(dial outgoing code 9) traffic mode is accessing trunk from the lowest port.

Default setting: Average traffic mode.

5.15.3 C.O line group

C.O line group member setting

Programming code: 25S M#　Set members in No.S C.O group

Instruction: S is C.O group number, 01-32. M is C.O port number 1-8.

Case: Set the members in No.1 C.O group is all CO line, in No.2 C.O group is 1-8 C.O. Setting way: in programming status, input 25 01 01*32#, after hear a beep tone, input 25 02 1*8#.

Programming code 25S#　Clear the members in No.S C.O group

　　　　　　　　　2500#　Clear the members in all C.O group

☞　**Notes:** For initial setting, please use 9500# to clear all C.O group members

5.15.4 Ext access C.O line

5.15.4.1 Ext access C.O line in day mode

Programming code:

800#　　Allow all Ext accessing all C.O line in day mode

800S#　　Allow all Ext accessing No.S C.O line group in day mode

800SN# Allow No.N Ext accessing No.S C.O line group in day mode

801#　　Prohibit all Ext accessing all C.O line in day mode

801N#　　Prohibit No.N Ext accessing all C.O line in day mode

5.15.4.2 Ext access C.O line in night mode

Programming code:

810#　　Allow all Ext accessing all C.O line in night mode

810S#　　Allow all Ext accessing No.S C.O line group in night mode

810SN# Allow No.N Ext accessing No.S tC.O line group in night mode

811#　　Prohibit all Ext accessing all C.O line in night mode

811N#　　Prohibit No.N Ext accessing all C.O line in night mode

Instruction: S is C.O line group number S = 00-32, when S=00, means Ext can access all C.O line, N is Ext port number.

Default setting: All Ext can access all C.O line in both day and night mode.

5.15.5 Outgoing call level setting

5.15.5.1 Instruction for outgoing call level

This system can restrict the outgoing call number beginning with some prefix, or only allow outgoing call number beginning with some prefix. There are 10 level, from 0 to 9

    L=0   Outgoing call can be made only for special prefix item E

    L=1   Outgoing call no restriction

    L=2   Outgoing call is restricted for prefix item A, for initial setting international direct dialing(IDD) is restricted(prefix 00)

    L=3   Outgoing call is restricted for prefix item B, for initial setting domestic direct dialing(DDD)is restricted(prefix 0)

    L=4   Outgoing call is restricted for prefix item A and item C

    L=5   Outgoing call is restricted for prefix item A and item D

    L=6   Outgoing call is restricted for prefix item B and item C

    L=7   Outgoing call is restricted for item B and item D

    L=8   Outgoing call is restricted for item C and item D

    L=9   Outgoing call is total restricted, only for intercom call

Instruction:

Some level is related to the prefix item A-D, and the prefix in each item can reach 8 digit(1-8 digit is OK)number of 16 groups Generally, item A is used for restriction of IDD, item B is used for restriction of DDD, item C is used for restriction for hotline number, item D is used for restriction of item IP prefix number.

5.15.5.2 Setting restriction prefix item A-D

Programming code:

26 X QQ abcd #   Set prefix number abcd for No.QQ group of item No.X

Instruction:

1. X is the item number, 1-4

2. QQ is group number of prefix, 01-16

3. abcd is prefix number, no restriction of digits, 1-8 digit is ok, end up with # if not enough 8 digits. Each digit can be 0-9 or * (* is wildcard, can replace with any number)

Default setting: the first prefix in item A is 00, the first prefix in item B is 0, no setting for item C and item D.

5.15.5.3 Special prefix setting

Programming code: 26 5 QQ abcd#   Set the special prefix in group QQ as abcd

Default setting: the first special prefix is 110, the second special prefix is 119, the

third special prefix is 120.

5.15.5.4 Clear special prefix
Programming code: 2600#
Instruction: Clear all restriction prefix and all special prefix in all item
Programming code: 26X#
Instruction: Clear all restriction prefix in item X(X=1-4 clear corresponding item A-D prefix, when X=5, clear special prefix)
Programming code: 26XQQ#
Instruction: Clear item group QQ prefix in item X (X=1-4,clear corresponding item A-D prefix, when X=5, clear special prefix)

☞ **Notes:** 261# code, to clear the prefix(00) restriction for IDD in item A

5.15.5.5 Special number access setting for level 2-8
Programming code:
1680#   Special number access is available for outgoing call level 2-8, this is default setting
1681#   Special number access is prohibited for outgoing call level 2-8

5.15.5.6 Outgoing call level setting
Default setting: Outgoing call level for all Ext in day mode is level 1, in night mode is level 1, that is no any restriction.

5.15.5.6.1 Outgoing call level setting in day mode
Programming code: 820L#   Set outgoing call level is L in day mode for all Ext
                  820LN# Set outgoing call level is L in day mode for Ext.N
Instruction: N is Ext port number N = 01-32; L is outgoing call level L=0-9

5.15.5.6.2 Outgoing call level setting in night mode
Programming code: 821L#   Set outgoing call level is L in night mode for all Ext
                  821LN# Set outgoing call level is L in night mode for Ext.N

5.15.6 Outgoing call duration control setting

Programming code: 83TT#   Set call duration control for all Ext is TT
                  83TTN#   Set call duration control for Ext.N is TT
Instruction: TT is the call duration control time, TT=00-99(unit is minute), when TT=00, no setting.
Case: Set Ext.102 call duration control is 0, the other Ext call duration is 8 minutes, in programming status, input 83 00#, after hear beep, input 83 08 02*32#

5.15.7 Outgoing call operation method

5.15.7.1 Outgoing call dialing directly
When Ext is in direct dial out mode, can dial the external number directly.

5.15.7.2 Outgoing call by dialing outgoing code firstly
Ext Operation: Off hook + outgoing code + external number
Instruction: The default outgoing code is 9, Ext is in indirect dialing out mode

5.15.7.3 Outgoing call by selecting certain C.O line
Ext Operation: Off hook + (#)*1 M
Instruction: M: C.O port number(M=1-8). When C.O line M is occupied, the operation will be not succeed.
Notes: When Ext is in direct dial out mode, no need to dial #.

5.15.7.4 Outgoing call by booking C.O line
Ext Operation: In the process of accessing certain C.O line(trunk), if C.O line is occupied(busy), Ext user can dial # after hear engaged tone(busy tone), after hear a beep tone, on hook. When this C.O is idle available, system will ring back Ext till 10s. Ext and off hook and access this C.O linedirectly.

5.16 Incoming call

This system support 4 work mode for external incoming call:
- Operator work mode: When external incoming call arrives, system ring operator extension.
- Auto-attendant work mode: when external incoming call arrives, system is in DISA(Direct Inward System Access)status, caller will hear the OGM message recorded, caller can dial internal Ext number or dial operator code(default is 0)
- Call center mode: one special usage of operator work mode, also called average traffic. When external incoming call arrives, system will round robin ring internal extension.
- System CRBT(Color Ring Back Tone) mode: when external incoming call arrives, in auto-attendant mode, caller hear OGM, meanwhile system ring internal extension as operator mode or call center mode.

5.16.1 Set work mode

5.16.1.1 Set operator work mode
Programming code: 520#   Set operator work mode for all C.O line
                              520M#   Set operator work mode for No.M C.O line

5.16.1.2 Set auto-attendant work mode
Programming code: 521#   Set auto attendant work mode for all C.O line
                              521M#   Set auto attendant work model for N.M C.O line

5.16.1.3 Set system CRBT mode
Programming code: 522#   Set CRBT mode for all C.O line
                               522M#   Set CRBT mode for No.M C.O line

5.16.1.4 Set call center mode
Programming code: 523#   Set call center mode for all C.O line
                              523M#   Set call center mode for No.M C.O line

5.16.2 Incoming call delayed ring setting

Programming code: 51X#   Incoming call delayed ring
Instruction: X = 0-3, default setting X =1

When system is in operator work mode, if X=0,1, internal Ext will ring when caller hear the first ring back tone, if X =2, will delayed one ring, that is internal Ext will ring when caller hear the second ring back tone.

When system is in auto-attendant work mode(including CRBT), if X=0, auto-attendant will work when caller hear the first ring back tone, if X=1,auto-attendant will work when receive the CLI and hear the first ring back tone.
☞   This code will affect CLI facility and answering effective, use cautiously ispreferred.

5.16.3 Relevant setting for operator work mode

5.16.3.1 Operator ringing Ext setting in day mode
Programming code:
 4100#   Set all incoming call ring operator in day mode
 41G#   Set all incoming call ring Ext group G in day mode
 41GM#   Set incoming call from trunk M ring Ext group G in day mode
 4000#   Clear all incoming call ringing extension in day mode
 40M#   Clear incoming call from trunk M ringing extension in day mode

Default setting: all incoming call in day mode, the corresponding ringing extension is

operator Ext. That is G=00

Instruction: when G = 01-32, G is Ext group number, when G=00, means operator. M is C.O port number, M=1-8.

5.16.3.2 Operator ringing Ext setting in night mode

Programming code:

4300#　Set all incoming call ring operator in night mode

43G#　Set all incoming call ring Ext group G in night mode

43GM# Set incoming call from C.O line M ring Ext group G in night mode

4200#　Clear all incoming call ringing extension in night mode

42M#　Clear incoming call from C.O line M ringing extension in night mode

5.16.3.3 Ringing mode setting in operator work mode

　　In operator work mode, if the ringing extension is over one, there are four ringing mode: one is ring simultaneously, one is ring round robin mode 1(stop the last Ext, and then ring the next Ext), one is ring round robin mode 2(ring last Ext,and at the same time ring the next Ext), one is ring queue(ring any idle extension)

Programming code:

530#　Set ring simultaneously mode for operator extension, this is default setting

531#　Set ring round robin mode 1 for operator extension,

532#　Set ring round robin mode 2 for operator extension,

533#　Set ring queue mode for operator extension.

5.16.3.4 Ring round robin switching time setting

Programming code: 534TT#　Set ring round robin switching time in operator mode

Instruction: TT=01-99, unit is second, default setting TT=10

Notes: We suggest the time for ring round robin is integral multiple of incoming call ring(normally the incoming call ring time cycle is 5s,that is 1s on, 4s off). And the ring round robin time is not too long, 1-3 ring is preferred.(as 05/10/15) .

5.16.3.5 Ringing extension busy process in operator mode

Programming code:

5350#　System not send prompt tone when all ringing Ext busy, this is default setting.

5351#　System send prompt tone when all ringing Ext busy.

☞　If ringing extension is Ext group,when all busy, prompt tone is invalid.

Programming code: 536#

Instruction: When all ringing Ext is busy, caller hear ring back tone(in waiting status)

Programming code: 536G#

Instruction: When all ringing Ext is busy,system ring idle extension in Ext.group G(01-32). When set G=00,means operator.

5.16.4 Call center mode setting

Programming code:

540G#   Set Ext.group G as call center attendant group in day mode

541G#   Set Ext.group G as call center attendant group in night mode

Instruction: G is Ext group number 01-32, in this mode when incoming call arrives, will ring the idle extension individually in this group.

5.16.5 Auto-attendant setting

Auto-attendant work mode, CRBT, also including alarm prompt, will all use the auto-attendant message. This system is built in 1 channel auto-attendant(**2 channel is optional**), user can record the message in 60s in 6 section message, the first 4 section use as attendant greeting message, the fifth section use as alarm prompt message, the sixth section use as CO to CO transfer prompt message.

5.16.5.1 Enable/Disable auto-attendant

Programming code: 009#   Enable all auto-attendant

009V#   Enable channel V auto-attendant(V=1, 2)

Default setting: all auto-attendant is enabled.

Case: Disable second channel auto-attendant, but enable first, in programming status, input 009 1 #

5.16.5.2 Auto-attendant setting in day/night mode

Programming code:

5510#   Auto-attendant is enabled in both day and night mode, this is default setting

5511#   Auto-attendant is enabled in day mode, but disabled in night mode

5512#   Auto-attendant is enabled in night mode, but disabled in day mode

☞   If day/night work mode is not enabled, then no need to use above code.

5.16.5.3 Auto-attendant corresponding to operator

When external incoming call arrives, if caller hear the first channel OGM, dial 0 for operator 1, if the caller hear the second channel OGM, dial 0 for operator 2

Programming code:

008#   All auto-attendant corresponding to all operator, this is default setting.

Instruction: When external incoming call arrives, no matter which channel OGM the caller heard, after dial 0, system will ring idle operator sequence from No.1-4 operator

Programming code: 008VK#   Channel V OGM corresponding to operator K.

Instruction: V=1-2, K=1-4, when external incoming call arrives, when caller dial 0 after hear channel V OGM, system will ring only operator K.

5.16.5.4 The access of C.O line use auto-attendant

Programming code:

502#   Set all C.O line can access all auto-attendant, this is default setting

502VM#   Set C.O line M can access channel V auto-attendant

503#   Prohibit all C.O line access all auto-attendant.

503VM#   Prohibit C.O line M access channel V auto-attendant

5.16.5.5 OGM message section setting

Programming code: 550X#   Set OGM in X section mode

Instruction:

▸ X=1-4, default setting is 3, system will play different message when external incoming call arrives in auto-attendant work mode:

▸ When X=1, is one section mode, system only play one section greeting message for caller.

▸ When X=2, is two section mode, system will play two section greeting message(one is in day mode, one is in night mode) for caller

▸ When X=3, is three section mode, system will play three section greeting message (the first section like "Welcome to call our company, please dial the desired Ext number or dial 0 for operator", the second section like "Sorry, the extension you dialed is busy, please dial other Ext number or dial 0 for operator", the third section like "Sorry, the extension you dialed no answer, please dial other Ext number or dial 0 for operator")

▸ When X=4, is four section mode, the first 3 mode is similar to three section mode, the fourth section is used in night mode.

5.16.5.6 OGM recordable time setting

On default setting, system is built in 1 channel auto-attendant, the recordable time is 60s, can be divided into 6 section. The default recordable time for each section is: 20s, 20s, 20s, 0s, 0s, 0s

Notes: the time is the maximum recordable time, initialization code 1000# will not change this setting.

Programming code:

0000#   Initialize the recording time to default setting

000T#   Set the recording time for each section of all auto-attendant.

00VT#   Set the recording time for each section of No.V channel auto-attendant.

Instruction: T is the recording time length, unit is second, 00-99, 00 means this section no use.

5.16.5.7 OGM recording

There are three ways to record the OGM:

Through PC software D600 to record the message, details please see "PC Management Software Instruction"

Prepare well the message file, and play it in a music player, connect this player with

MUSIC port of system, download the message through programming extension. Through programming extension record as per following steps

A- OGM recording by programming extension

Programming code: 010K#　Record section K message

Instruction: record section K message

Programming code: 01VK# Record section K message for channel V auto-attendant

▶ Start recording after input programming code and hear a beep, finish recording after hear another beep.

▶ Pay attention to the recording effect when record multiple channel simultaneously. If it will cause noisy or low volume, please record one by one.

▶ If the message is shorter than the recorable time length, after finish recording, on hook directly.

B- Download the message file from music player

　　Prepare well the voice message file at first, connect music player with MUSIC port of system, turn on the player to play the voice message, in programming status, input **01VK9#**, after hear a beep,the voice message will be started for downloading.

Notes :

1. V=1-2, means the channel of OGM, K=1-6, means the section of message
2. Only one section message can be recording each time
3. Set well the recordable time for each section before download

5.16.5.8 Preview the recorded OGM

Programming code:

02VK#　　Monitor section K message in channel V OGM, not changing the OGM volume

02VKP#　　Monitor section K message in channel V OGM, and change the OGM volume to level P

Instruction: V=1-2, K=1-6, P = 0-7 is the volume level, 0 is the maximum level, 7 is the minimum level.

5.16.6 Auto-attendant work mode setting

5.16.6.1 Auto-attendant busy process

Programming code:

5520#　waiting status when auto-attendant busy, this is default setting

5521#   transfer to operator when auto-attendant busy

Instruction: In the condition of multiple incoming call arrives, because auto-attendant is 2 channel maximum, some caller have to be waiting status(hear ring back tone no process) as auto-attendant busy. By above setting, system can transfer the waiting call to operator ringing extension, to avoid missing any call.

5.16.6.2 No dial process

Programming code: 554TT#

Instruction: TT is dialing time on waiting, TT=00-99, unit is second, default setting is 5s, after OGM finish playing, the time that system wait for dialing

Programming code:

5540#   in auto-attendant mode, if caller doesn't dial within waiting time, the call will
             be disconnected, this is default setting..

5541#   in auto-attendant mode, if caller doesn't dial within waiting time, the call will
             be transferred to operator.

5.16.6.3 Incorrect dialing process

Programming code:

5550#   System send prompt tone when incorrect dialing occur, and wait for redialing, this is default setting.

Instruction: in auto-attendant work mode, if caller dial incorrect number, system will send continuous beep tone, and caller can dial other number.

Programming code: 6551#   No dial process when incorrect dialing occur

Instruction: in auto-attendant work mode,if caller dial incorrect number, system will process it as per no dial.

5.16.6.4 Dialed Ext busy process

Programming code:
5522#   No prompt tone when dialed extension is busy
5523#   System send prompt tone when dialed extension is busy, this is default
           setting.

Instruction: when the dialed extension is on off hook call status, the user will hear three beep prompt tone.

Programming code:
556TT#   Set the waiting processing time when dialed extension is busy, default value
             is 00.

Instruction:
TT = 00-99, unit is second. In auto-attendant work mode, when dialed extension is busy, the waiting time for next processing, during this time, caller will hear on hold music, when the dialed extension is free system will ring it again.

5.16.6.5 Ringing time setting

Programming code: 181TT#

Instruction: TT=00-99, unit is second. In auto-attendant work mode, when caller dial the extension, the maximum ringing time if no one answer. During this time, caller will hear on hold music.

5.16.6.6 Dialed extension no answer process

In auto-attendant work mode, when dialed extension no one answering within the setting ring time, firstly the extension will stop ringing, and system has following two process mode:

◆When auto-attendant is in three or four section mode, system send the third section message to caller, and caller can continue to dial.

◆When auto-attendant is in one or two section mode, system process as per below two mode:

Programming code:
5570#   Release the call in dialed extension no one answering
5571#   Process as per operator work mode if dialed extension on one answering

5.16.7 System CRBT relevant setting

● System CRBT(Color Ring Back Tone) mode: when external incoming call arrives,in auto-attendant mode,caller hear OGM, meanwhile system ring internal extension as operator mode or call center mode. This function is good for playing advertising message for caller.

CRBT mode notes:

● Auto-attendant should be setting and enabled if use CRBT mode.

● The corresponding operator work mode parameter(including operator ringing extension, ringing mode) or call center mode parameter should be setting to use CRBT mode.

● The playing message is the first section for CRBT,so one section OGM is preferred for best result.

● In CRBT mode, after playing the message, system will auto play on hold music.

5.16.7.1 CRBT processing mode

Programming code: 5530#

Instruction: caller hear the CRBT, meanwhile system ring operator extension directly

Programming code: 5531#

Instruction: caller hear CRBT at first, and system not ring operator extension, caller can make secondary dialing, if not, system will ring operator ext.

Programming code: 553TT#   Set the allowable dialing time in CRBT mode

Instruction: TT=01-99, default setting TT=05, that is 5 seconds

5.16.7.2 CRBT ringing mode

Programming code: 5532#

Instruction: In CRBT mode, system process as per operator work mode when ring internal extension, this is default setting

Programming code: 5533#

Instruction: In CRBT mode, system process as per call center mode when ring

internal extension.

5.17 Speed dialing

Speed dialing, also called fixed dialing numbers(FDN), is one mode for dialing extension (or Ext group). For example, in auto-attendant mode, caller just dial one digit for calling certain extension.

5.17.1 Enable/Disable speed dialing

Programming code: 1501#

Instruction: Enable speed dialing function, no matter external dialing in auto-attendant mode or intercom dialing, caller can just dial one digit(0-9), system will ring the corresponding extension or Ext group.

Programming code: 1502#

Instruction: Enable speed dialing function, only for external dialing in auto-attendant mode, caller can just dial one digit(0-9), system will ring the corresponding extension or Ext group.

Programming code: 1500#

Disable speed dialing function, this is default setting.

5.17.2 Set speed dialing number

Programming code: 152UN#

Instruction: Set digit U corresponding to Ext number N (N=01-32), U=0-9

Programming code: 153UG#

Instruction: Set digit U corresponding to Ext group number G, G=01-32

5.17.3 Clear speed dialing number

Programming code: 152#   clear all speed dialing number. This is default setting

5.18 Call pickup

5.18.1 Call pickup level instruction

L=1, call pickup only for the hold call itself
L=2, call pickup for internal ringing extension
L=3, call pickup for C.O line.

L=4, not available at present

L=5, call pick for general

On default setting, L=5

5.18.2 Call pickup level setting

Programming code:

84L#　　Set call pickup level L for all extension, initialized setting L = 5

84LN#　　Set call pickup level L for Ext.N

5.18.3 Call pickup operation

5.18.3.1 Call pickup for internal ringing Ext.

Ext Operation: Off hook + (#) *3 + ringing Ext number

Instruction: any non-ringing extension can pickup the ringing extension(both external and intercom call)

5.18.3.2 Call pickup for general

Ext operation: off hook + (#)*9

Instruction: any non-ringing extension can pickup all call.

5.19 Call transfer

5.19.1 Call transfer parameter setting

5.19.1.1 Flash time setting

Programming code: 050TT#

Instruction: TT=01-20, unit is 0.1s, default setting TT=10

5.19.1.2 Set outgoing call transfer delayed time

Programming code: 051TT#

Instruction: TT=01-99, unit is second. Default setting TT=05. For example, operator dial outgoing call number, then divert it to another Ext. After dialed the number, system will identify the operation is on hook if operator make call transfer operation(flash hook)immediately,to cause the call transfer failure, so operator need to wait some time (TT) to make the call transfer after dial the outgoing call number.

5.19.1.3 Set ringing time for call transfer

Programming code: 182TT

Instruction: TT=01-99, unit is second, this time is the ringing time for transfer call.

5.19.1.4 No answer process for call transfer

Programming code:

0530#   Not ring back if transfer call no one answering, this is default setting

0531#   Ring back if transfer call no one answering

5.19.1.5 Intercom call transfer

Programming code:

0540#   Disable intercom call transfer

0541#   Enable intercom call transfer, this is default setting

5.19.1.6 No dial delayed time setting for call transfer

Programming code: 055TT#

Instruction: TT=00-99, unit is second. When extension make call transfer, after flash hook, the time that system wait for dialing, during this time, transfer extension hear dial tone, and if no dial within this time, system process as per following two mode:

Programming code: 0550#

Instruction: transfer extension hear engaged tone(busy tone), the caller continue to hear hold music, till transfer extension flash hook to retrieve the call again.

Programming code: 0551#

Instruction: transfer extension auto retrieve the previous call, this is default setting

5.19.1.7 Incorrect dialing process for call transfer

Programming code: 0560#

Instruction: system send three continuous beep tone and wait for redialing

Programming code: 0561#

Instruction: transfer extension can not redial, just hear continuous engaged tone

Programming code: 056TT#

Instruction: TT=01-99, unit is second, when transfer extension make incorrect dialing or the dialed ext is busy, the time for system send engaged tone.

5.19.1.8 Retrieve priority after call transfer

Programming code:

0570# Transferred call can be retrieved by flash hook operation, this is default setting

0571# Transferred call can not be retrieved.

Instruction: After transfer the call to another extension, if the transfer extension hear ring back tone but not on hook, can flash hook to retrieve the call, at this moment another extension stop ringing.

5.19.1.9 Enable/Disable call transfer

Programming code:

910#   Disable call transfer for all extension

910N#   Disable call transfer for Ext.N

911#   Enable call transfer for all extension, this is default setting

911N#   Enable call transfer for Ext.N

5.19.2 Call transfer operation

5.19.2.1 Call transfer for external/intercom call

Ext Operation: Call transfer for external call: flash hook + Ext number

Call transfer for intercom call: flash hook + Ext number

5.19.2.2 Outgoing call transfer(boss/secretary function)

Ext Operation: Flash hook + Ext number

Instruction: Ext 102 make an outgoing call and then transfer the call to Ext 108, the operation step is: during conversation with external line, Ext 102 flash hook, dial 108 within 10 seconds, Ext.102 can on hook after hear internal ring back tone(108 start ringing). Ext.108 off hook to talk with the external line.

5.20 Call forward

5.20.1 Call forward parameter setting

5.20.1.1 Call forward(no answer) time setting

Programming code: 183TT#

Instruction: TT = 01-99, unit is second, default setting TT=20. This time is the ringing time for the extension which is set call forward function, after this time, the extension will stop ringing, and the call will be forwarding to another extension.

Notes: this time should be less than intercom call ringing time(180TT#)and auto-attendant work mode ringing time(181TT#).

5.20.1.2 Set call forward to C.O line by Ext.

Programming code:

960#   Prohibit call forward to C.O line setting by all Ext

960N#   Set prohibit call forward to C.O line setting by Ext.N

961#   Allow call forward to C.O line setting by all Ext

961N#   Allow call forward to C.O line setting by Ext.N

5.20.2 Call forward(always/busy/no answer)setting by operator

5.20.2.1 Clear the call forward setting for all extension

Operator operation: Off-hook + (#)*26#, on hook after hear beep

Or off-hook + (#)*27#, on hook after hear beep

5.20.2.2 Clear the call forward setting for certain extension

Operator operation: Off-hook + (#)*26N#, on hook after hear beep

Or off-hook + (#)*27N#, on hook after hear beep

Instruction: Clear call forward setting for Ext.N

5.20.2.3 Set certain Ext call forward(always) to certain Ext

Operator operation: off-hook + (#)*26N + Ext number, on hook after hear beep

Instruction: Set Ext.N incoming call forward to another extension

5.20.2.4 Set certain Ext call forward(always) to C.O line

Operator operation: off-hook + (#)*26N + C.O line number

Instruction: Set Ext.N incoming call forward to another C.O line

5.20.2.5 Set certain Ext call forward(busy/no answer)to certain extension

Operator operation: off-hook + (#)*27N + Ext number

Instruction: Set Ext.N call forward(when busy or no answer)to another extension

5.20.2.6 Set certain Ext call forward(busy/no answer) to C.O line

Operator operation: off-hook + (#) * 27N + C.O line number

Instruction: Set Ext N call forward(when busy or no answer)to another C.O line

5.20.2.7 Set call time for call forward to C.O line

Operator operation: off-hook + (#)*28TT#

Instruction: Set call forward time as TT, TT=01-00, unit is 15s, default setting TT=10, that is 150s, among of it call time is 120s, and the rest 30s is the time for prompt tone.

5.20.3 Call forward(always/busy/no answer)setting by extension

5.20.3.1 Clear call forward setting for extension

Ext Operation: Off-hook + (#)* 81#

Off-hook + (#)* 82#

Instruction: This setting is to clear call forward(always/busy/no answer) for extension. It is preferred before setting call forward.

5.20.3.2 Set call forward(always) to another Ext

Ext Operation: Off-hook + (#)*81 + Ext number, on hook after hear beep tone

Instruction: Ext.6002 need to forward all incoming call(external and intercom call)to Ext.6008, then on 6002 input (#)*81 6008, after hear a beep tone, on hook.

5.20.3.3 Set call forward(always) to C.O line(CO line transfer to CO line)

Ext Operation: Off-hook + (#)*81 + * + C.O line number + #, on hook after hear beep

Instruction: By this setting, all the incoming call to the setting Ext will be forwarding to another C.O line automatically, and the setting Ext will not ring. The maximum digit for C.O line number is 30 digit, end up with # or on hook.

5.20.3.4 Set call forward(busy/no answer) to internal Ext

Ext Operation: Off-hook + (#)*82 + Ext number, on hook after hear beep tone

Instruction: By this setting, when Ext is busy or no answer(over 20s, default setting), the call will be forwarding to another Ext.

5.20.3.5 Set call forward(busy/no answer)to C.O line(C.O line transfer to C.O line)

Ext Operation:

Off-hook + (#)*82 + * + C.O line number + #, on hook after hear beep tone.

Instruction:

By this setting, when Ext is busy or no answer(over 20s, default setting), the call will be forwarding to another C.O line automatically.

5.21 C.O line reservation

5.21.1 Reservation time setting

Programming code : 184TT#

Instruction :TT=01-99 , unit =10s. Reserving the C.O line , then extension can do another operation .

Default setting: TT=18 , that means reservation time is 180s .

5.21.2 How to reserve C.O line

Ext Operation: during the conversation + flash the hook+ * *

5.21.3 Restore the reserved trunk line

Ext operation : during the conversation + flash hook + * *

Instruction : During the conversation, flash the hook (or pres flash button)+ * * to reserve the call. In that time , caller will hear call waiting music. During the reservation , the operator call do any operation , like call transfer , call pick up , internal call etc . If want to restore , input (#)9 .

5.21.4 Call pickup during reservation

Operator operation : During the conversation + flash the hook + * 9

5.22 Conference call

5.22.1 Three way conference

Ext operation : During intercom conversation + flash the hook + # + Ext. number

5.22.2 Three way conference (1 C.O line and 2 Extensions)

Ext operation : During the conversation + flash the hook + #+ Ext. number

5.22.3 Three way conference (2 C.O lines and 1 Extension)

Ext. operation : During the reservation of the first call and talking with second call + flash the hook + *6
Instruction: Firstly, when Ext. A talk with C.O line B, Ext. A flash the hook and input * * to reserve it. Then Ext. A dial 9 to make outgoing call from C.O line C . During the conversation with C.O line C and Ext.A flash the hook and input *6 , now Ext.A , C.O line B and C.O line C can make three way conference .When Ext. A on hook , the conversation will be ended .

5.22.4 Multi-way conference

5.22.5 Conference time Setting

Programming code : 186TT#
Instruction ： TT=01-99 , unit =15s .
Default setting: TT=12 , that means conference time is 180s .

5.23 Call barge-in/Force disconnect

Operator operation : Off hook + (#)* + 71 +M
Instruction : Monitor the conversation from C.O line M.(M= 1-8)
Operator operation : Off hook +(#)* + 72 + Ext. number
Instruction : Monitor the conversation from certain extension
Force disconnect: after call barge-in successfully, operator can input * to force

disconnect it .

Notes: this function is only valid for programming extension .

5.24 Call all extension(emergency call)

Operator operation : Off hook +(#) * 88

Instruction : by this operation, all extension will ring simultaneously and can talk each other when off hook .

Notes: this function is only for programming extension .

5.25 Common Ext operation

5.25.1 DND(Do Not Disturb)

Ext. Operation : Off hook +(#) *83 #

Notes: Cancel it when off hook this extension.

Instruction: After set this function, system will not ring when any call comes .

5.25.2 Clear extension function setting

Ext. operation : Off hook +(#)*80#

Instruction: After set it, the below function will clear .

5.25.3 Call switch

When extension talk with C.O line A . At the same time, there is another call from C.O line A. Then extension will hear the prompt tone. Then the extension can reserve the conversation and pick up the another call .

Ext. operation: during the conversation + flash the hook + #8

5.25.4 Flash time setting

Programming code : 052TT#

Instruction : TT=0.1s , 01-99 . Default TT=05

5.26 Internal hotline function

5.26.1 Enable/Disable extension hotline function

Programming code : 920#   Enable extension hotline function for all extension .

920 N#   Enable extension hot line function for Ext.N

921 #   Disable extension hotline function for all extension

921 N#   Disable extension hotline function for Ext.N

5.26.2 Hotline waiting time setting

Programming code : 185TT#
Instruction : TT=hot line waiting time . Unit =0.1s ,00-99 (allow dial number)
Default setting: TT=10.That means 1s. Disable hotline function for all extension.

5.27 Special prefix setting (compulsory for Prefix dialing and LCR)

That means the system can select the C.O line to make outgoing call according to the special number. In prefix dialing, it will add the prefix digit to the C.O number according to the special number.
Programming code : 6200#   Clear all special prefix
I**nstruction:** we suggest use this code to clear all other content before setting prefix number.
Programming code : 62Y#   Clear No.Y group special prefix (Instruction : Y=1-4)
Programming code : 62YPP#   Clear item PP special number in group Y
                62YPPabcd#   Set special prefix abcd to item PP in group Y .
Instruction: PP is prefix group number, 01-16, each item has 16 group, abcd is special prefix, no limit on digit, 1-8 digit is ok, end up with # if no enough 8 digit. And each digit can be 0-9, but *, # are not ok.
Default setting: no setting.

5.28 LCR(Least Cost Routing) function

Manual LCR : when extension dial out, the system will select the least-cost routing according to the outgoing code.
Auto LCR : When the user dial out, the system will select the least-cost routing according to the routing number which is set in the system.(no need to dial any special access-code, the system will select routing intelligently).

5.28.1 C.O line group setting

The C.O line(trunk) can be divided into five group(two class). One common C.O line group and four special C.O line group

Programming code: 61Y#   Set all C.O line in No.Y group

61YM#   Set C.O line M in No.Y group

Instruction :

When Y=0, means common C.O line group.

When Y=1-4, means special C.O line group .

M=C.O line port , M=1-8

Default setting: all C.O line is common C.O line group

5.28.2 LCR parameter setting

Programming code :

6010#   Disable LCR function (default setting)

6011#   Enable auto LCR function and disable manual LCR

6012#   Enable manual LCR function and disable auto LCR

6013#   Enable manual LCR function and auto LCR

6020#   Allow use common trunk line group when special trunk line busy(default setting)

6021#   Don't allow use common trunk line group when special trunk line busy

6030#   Allow use special trunk line group when common trunk line group busy

6031#   Don't allow use special trunk line group when common trunk line group busy

5.28.3 Call restriction (only for LCR function)

Programming code: 504#   All allow C.O line dial out

504M#   Allow C.O line M dial out

505#   Prohibit all C.O line dial out

605M#   Prohibit C.O line M dial out

5.28.4 Access code setting for special trunk line group (only for auto LCR)

Programming code : 103X#   (default X=7)

Instruction : X=0-9 .

5.29 Prefix dialing setting

5.29.1 Prefix setting

Programming code :
6410#   Set prefix number can include * , #
56411#   Set prefix number can't include *, #
712#   Set prefix number * as pause symbol, interval time is 0.5s.
(If set 6410# , it should be set the prefix as below programming.)
Programming code : 650abcdef + off hook   set normal prefix
                65Yabcdef + off hook   set special prefix in group Y
Instruction : All code should be set in programming status .
abcdef= prefix number,1-30 digits .Y=1-4 , that means the prefix group Y=1-4, group number
Programming code : 650abcdef + off hook ,   setting normal prefix
                65Yabcdef + off hook,   setting special prefix in group Y
Clear IP number
Programming code : 65#   clear all prefix
                65Y#   clear prefix in group Y   . Y=0-5 , Y=0 normal number

5.29.2 Enable/Disable prefix dialing

Programming code : 6400#   disable prefix dialing (default setting)
                6401#   enable prefix dialing
Programming code : 930#   enable prefix dialing function for all extension
                930 N#   enable prefix dialing function for Ext.N
                931 #   disable prefix dialing function for all extension
                931N# disable prefix dialing function for Ext.N
Default setting : Disable system prefix dialing function.

5.29.3 Prefix dialing rule setting

Rule 1 : Add corresponding prefix according to the called outside number
Programming code :
6402#   Add corresponding prefix according to the called outside number(default setting)
6420#   Don't allow add prefix when dialing normal number
6421#   Allow add prefix when dialing normal number

Rule 2 : Added corresponding number according to selected C.O line .

Programming code :

6403#   Add corresponding number according to selected C.O line .

6420#   Don't add prefix number if using common C.O line

6421#   Add prefix number if using common C.O line

5.30 Memory dialing

Maximum can set 96 groups and 30 digit memory number .

5.30.1 Memory number setting

Refer to prefix setting, if system has been set 6410#, that means the number can be with *, # . Please set it as below programming .

Programming code: 73Kabcdef + off hook (Set No. K group memory number. It can be with *, #)

If system has been set 7411# , that means the number can't be with *, # . Please set it as below programming .

Programming code :73Kabcdef# (Set No.K group memory number .It can not contain *,#)

Instruction : K that means group number,01-96. abcdef means C.O line number. 1-30 digits no limit, end up with # or on hook

Programming code : 73#   clear all memory number

73K#   clear No. K group memory number

5.30.2 Enable/Disable memory dialing

Programming code : 950#   Disable memory dialing for all Ext

950 N#   Set memory dialing for   Ext.N

951#   Enable memory dialing for all Ext

951 N#   Disable memory dialing for Ext.N

Default: Enable memory dialing for all extension

5.30.3 How to use memory dialing

Ext operation: Off hook + (#)*70+K

Instruction: In direct dial out mode, it should be input * first ; K is the group number , 01-96 .

Case: No.8 group memory number is 13302818996 . In Ext. 101, on hook + 73 08 13302818996+ # +951# . That means Ext.101 input *#40 08, it will call the outside number 13302818996 automatically .

5.31 Private password

5.31.1 Setting private password

Programming code :

75#   Clear all private password

75U#   Clear No. U private password   U=01-96

75ULWWW#   Clear No. U private password and set to class L

Instruction: U= three digit password account, 01-96. L= Extension Class,0-9 .
WWWW=four digit password

5.31.2 How to use private password

The password should be assigned by programming extension to another
extension user. The password control the C.O line access and class .

Programming code : off hook +(#)#5 + U+ WWWW + 9+ outside number .

Instruction : Password U + WWWW , total 7 digit

Case :

The Classic of Ext. 106 is L , only can make intercom call. The user 005 password is
9530 and class L is 1 .

Then the user 005 can on hook Ext. 101 , input ##+005 9530 +9 + outside number .

5.32 Extension dynamic lock

5.32.1 Enable/Disable extension dynamic lock

Programming code: 1690#

Instruction: Disable Extension dynamic lock

Programming code: 1691#

Instruction: Enable Extension dynamic lock. It is default value .

5.32.2 Set extension dynamic lock

Programming code: 990#   Set dynamic lock for all extension

990N#   Set dynamic lock for Ext.N

991#   Disable dynamic lock for all extensions

990N#   Disable dynamic lock for Ext.N

Default setting: disable dynamic lock for all extension

5.32.3 Clear dynamic lock by operator

Operator operation: off hook + (#)*05#

Instruction: clear dynamic lock for all extension

Operator operation: off hook + (#）*05+ABCD$_1$+ABCD$_2$+…+ ABCD$_N$ Clear some extension dynamic lock .

Instruction: Setting some extension dynamic lock as 0000.

5.32.4 Change dynamic lock by extension

Ext Operation: off hook + (#)*5*abcd$_1$ + abcd$_2$ #

Instruction : abcd$_1$ = old password   abcd$_2$ = new password

5.32.5 How to use dynamic lock

How to Lock
Ext Operation: off hook +(#)*5 * abcd #
How to Unlock
Ext Operation: off hook +(#)*5#   abcd #
Instruction: abcd is the extension dynamic lock. If forget, it can be cleared by operator.

5.33 Alarm clock

5.33.1 Alarm clock message setting

The fifth section OGM message can be used as the alarm prompt message . Before using this function , please setting the message
Programming code :
100300#   Disable alarm message
0301#   Enable alarm message and use the fifth section OGM as alarm message
031#   Allow use all OGM as alarm message
81V$_1$..V$_2$ Batch setting alarm message can use OGM

Default: All using all GOM as alarm message

5.33.2 Set alarm clock by operator

Operator Operation: off hook + (#)*03HHTT++ABCD$_1$+ABCD$_2$+…+ ABCD$_N$
Instruction : HH: hour, 00-23 ; TT:minute , 00-59 ;ABCD$_1$,ABCD$_2$,ABCD$_N$: extension number

5.33.3 Clear alarm by operator

Operator operation : off hook +(#)*04#   Clear all extension alarm

off hook+(#)*ABCD$_1$+ABCD$_2$+…+ ABCD$_N$ Clear alarm for extension ABCD$_1$, ABCD$_2$, ABCD$_N$

5.33.4 Set alarm clock by extension

Ext Operation: Off hook + (#)*4 HHTT#   Set the time of alarm clock as HHTT

Off hook + (#)*4#   clear alarm clock

5.34 Paging function

5.34.1 Page directly

Operator Operation: off hook + (#) *86#

Instruction: This function only for programming extension or operator .

5.34.2 C.O line incoming call transfer for paging

Ext Operation: During the conversation + flash the hook + *5

Instruction: When extension transfer the call for paging, the main extension can't on hook until finish it .

5.35 Fax detect (optional)

5.35.1 Fax detect setting

Programming code : 0600#   enable fax detected function

0601#   disable fax detected function . It is default value .

Programming code : 061N#

Instruction : Enable fax detected function and setting Ext. N as the fax extension .

Instruction: set the number of signal that system detect fax, that is after system detect No.K signal,will distinguish it as fax.K=1-9 , default K=2

5.36 CLI(Caller ID)

5.36.1 Caller ID receive mode

Programming code :0814#   Auto detect (default value)
                    0815#   Always FSK and DTMF mode

Instruction: This system can auto detect the receiving signal. No need to set manually. But it can force setting in some case .

Programming code : 0816#   Enable FSK mode for 5s then disable automatically
                    0817#   Always FSK mode
                    081TT#   Set receiving time .

Instruction: TT=01-99 , unit 0.1s. Default value is 1. That means when outside calls , it start to receive .

5.36.2 Add prefix number for intercom Caller ID

Programming code: 0 8 0 # , Disable add prefix number for intercom Caller ID, this is default setting .
Programming code: 0 8 0 kk #
Instruction: Add prefix kk in intercom Caller ID number

5.36.3 Enable / Disable Intercom Caller ID

Programming code :

970#	Disable intercom caller ID for all extensions
970 N#	Disable intercom caller ID for extension N
971#	Enable intercom caller ID for all extension
971 N#	Enable intercom caller ID for extension N

5.37 Doorphone Function)

5.37.1 Doorphone function Setting

Programming code : 330#
Instruction : Disable Doorphone function. It is default value .
Programming code : 331#
I**nstruction :** Enable Doorphone function
Programming code : 70Y#   Default : Y=0
Instruction :   Y=0, ringback tone is on hold music . Y=2 ring back tone is system

ring back music . Y=2 mute.

Programming code : 341Y#   Default : Y=0

Instruction : Y=0 , system will ring the Doorphone extension to cut off . Y=1, system will send DTMF code to cut off .

Programming code : 342K+off hook   Default : Y=*

Instruction : Set cut off code for Doorphone extension ; K= 2 digit .

Programming code : 343TT#

Instruction : Set waiting dialing time for Doorphone extension . TT=01-99 , unit 0.1s . Default is 1

Programming code: Set the pick-up time for door lock interface, TT=01-99, unit is 0.1s, default setting is 5.

Programming code : 345TT#

Instruction : Set conversation time for the Doorphone extension . It will cut off over time . TT=01-99s .Default is 60s .

Programming code : 346TT#

Instruction : Set transfer time for Doorphone extension . TT=01-99s . Default is 20s

5.37.2 Set Doorphone extension

Programming code : 980#   Set all extension is doorphone extension

                      980 N#   Set Doorphone extension for Ext.N

                      981 #   Set all extension is normal extension

                      981 N#   Set Ext.N is normal extension

Default setting: all extension is normal extension

5.37.3 Set door phone

Programming code : 3000#   Cancel all door phone setting
                      303XN#   Set Ext.N for No.K door phone
Instruction: X = door phone numbers, 1-4. N= Ext. port ,01-32

5.37.4 Set intercom extension /Ringing extension for door phone

Programming code :

31G#   Set all door phone ring Ext. group G in day (0=operator)

31XG#   Set No.X door phone ring Ext. group G in day.

32G#   Set all door phone ring Ext. group G in night

32XG   Set No.X door phone ring Ext. group G in night

5.37.5 How to use intercom and door phone

Method: Ringing corresponding extension after on off the phone. The one of ringing extension answer it and another will stop ringing .

5.37.6 How to use door lock

The extension can input *0 to open the corresponding door lock during the conversation. The extension input * K to open No.K door lock , K=1-4

5.37.7 Unlock directly

Ext operation : off hook +(#)+ *79K

Instruction: K=1-2, door lock number

Chap 6 Programming & Operation Instruction

6.1 Index of System Programming

Noted : All operation should be performed in programming extension (port 01-04 and operator) and enter program status (default value is #*#0977)

Index	System Function		Format	Default / Remark
1.	Enter programming status setting		Pick up + （#） *#EFGH [Programming password]	EFGH=0977； Programming extensions are Ext,.101-104 and operator
2.	Change programming password		19EFGH #	
3.	System Soft-Reset setting		19999999#	
4.	Return to default setting		1000#	
5.	Setting office code is #,function code is*		1010#	Office code is #,function code is *
6.	Setting office code is #,function code is *		1011#	
7.	Setting normal outgoing code		102X#	9
8.	Setting special outgoing code		103X#	7
9.	Setting fast dialing operator code		104X#	0
10.	System time setting	Setting year/month/date/week	11YYMMDDW#	
		Setting hour/minute/second	12HHTTSS#	
11.	Day/Night mode setting	Manual mode	1300#	Manual mode,in Day/Night mode
		Automatically Mode	1301#	
		Automatically Work	$131HHTT_1HHTT_2$	

		Mode1	$HHTT_3HHTT_4\#$	
		Automatically Work Mode2	$132HHTT_1HHTT_2$ $HHTT_3HHTT_4\#$	
		Setting whole day working mode(whole Day mode)	$133W_1W_2*W_3…W_5\#$	Setting whole working day from Monday to Sunday
		Setting whole rest mode(whole Night mode)	$134W_1W_2*W_3…W_5\#$	
		Setting a date for work according to working mode 1 (normal working mode)	$135W_1W_2*W_3…W_5\#$	
		Setting a date for work according to working mode 2 (Saturday mode)	$136W_1W_2*W_3…W_5\#$	
12.	Operator	Enable internal line to fast dial the operator	1400#	Enable/Disable
		to fast dial the operator	1401#	
		Clear the operator K(K=1-4)	14K#	The first operator is 102,The second operator is 101,other operator have not be set
		Setting Ext. port N is the operator K	14KN#	
13.	Short number dialing/Fast dialing setting	Disable fast dialing function	1500#	Disable
		Enable fast dialing function	1501#	
		Enable fast dialing function(Be used in OGM dialing only)	1502#	
		Setting the first code of extension/extensions group	$151X_1X_2\#$(or 151X#)	X_1=8 X_2=6
		N(N=01-128) Setting short number U(0-9)corresponding	152UN#	Not setting

		Ext.N(N=01-128)		
		G(G=1-32) Setting short number U corresponding Ext. group G(G=1-32)	153UG#	Not setting
		Clear short number corresponding extension number	152# or 153#	
14.	System parameter 0 setting	Setting CO line is recycle using (Outgoing call status)	1600#	Recycle
		Setting CO line is used in order(ascending order)	1601#	
		Setting outgoing call transfer and setting not save when power off	1610#	Save
		Setting outgoing call transfer and setting save when power off	1611#	
		Setting Ext.group is group call conference mode	1630#	Normal call
		Setting Ext.group is normal call mode	1631#	
		Allow class 2-8 can dial special number	1680#	Allow
		Restrict class 2-8 can not dial special number	1681#	
		Disable password lock/lock function	1690#	Enable
		Enable password lock/lock function	1691#	
15.	Time parameter	Internal call ringing time(TT=00 No ringing)	180TT#	TT=30S

	setting	Auto-attendant ringing time	181TT#	TT=25S
		Call transfer ringing time	182TT#	TT=25S
		Call transfer time when nobody answer	183TT#	TT=20S
		CO line reservation time setting	184TT#	TT=18S(T=10s)
		Hot line waiting time	185TT#	TT=10S(T=0.1s)
		Conference call time	186TT#	TT=12(T=15s)
16.	OGM correspon ding to operator setting	In OGM Mode , dial 0 to operator,idle and prior high class extension rings	008#	In OGM mode , dial 0 will ring first operator . Another idle extension will not ring if busy
		No.V paragraph OGM ,dial 0 to operator No.K	008VK#	
17.	Enable/Dis able OGM setting	Enable all	009#	Enable 1,2,3,4
		Batch enable(V=1-4)	$009V_1 \ldots V_2$#	
18.	Setting operator record time	Setting record time	$000T_1T_2T_3T_4T_5T_6$#	$T_1=20,T_2=20,T_3=20,$ $T_4=20,T_5=20, T_6=20$ Unit is second. $T_1=20,T_2=20,T_3=20,$ $T_4=20,T_5=20, T_6=20$
		Setting record time for the OGM paragraph V	$00VT_1T_2T_3T_4T_5T_6$#	
19.	OGM record/mo nitoring	Record the paragraph K OGM at the same time (K=1-6)	010k#	
		Record the paragraph K OGM of the paragraph V operator	01VK#	
		Manual download the paragraph K OGM of the paragraph V	01VK9#	
		Monitoring the paragraph K OGM of	02VK#	

		the paragraph V		
		Monitoring the volume of the paragraph V OGM	02VKP#	P=0 is the max volume
20.	Morning call OGM(The fifth paragraph OGM)	Clear morning call OGM reminder service	0300#	Not using
		Enable and use the fifth paragraph OGM reminder	0301#	
		Allow all OGM use morning call OGM reminder	031#	Allow all
		Batch setting operators which one can use morning call OGM reminder	031V$_1$…V$_4$#	
21.	External music OGM parameter setting	Monitor on hold music	0400#	
		Monitoring play system P(P=00-15)	0410#	
		Monitoring play system and set the volume P (P=00-15)	041P#	P=08
22.	Transfer parameter setting	Setting flash time for transfer (TT=0-20)	050TT#	TT=10 TT=10 (T=0.1s)
		Setting outgoing call transfer delay time	051TT#	TT=5(T=0.1s)
		Flash time setting	052TT#	TT=5(T=0.1s)
		Call back the extensions	0530#	Ringing back
		Don't call back	0531#	
		Restrict transfer the internal call	0540#	Allow
		Allow transfer the internal call	0541#	
		Restrict call back if pat hook delay	0550#	Call back automatically
		Allow call back if pat	0551#	

		hook but no dialing		
		Setting dialing time for transfer(Send TONE time)	055TT#	10s
		Allow dialing if dial wrong number or extension busy	0560#	Allow
		Restrict dialing if dial wrong number or extension busy	0561#	
		Send busy tone time when transfer failed	056TT#	20s
		Allow press pat hook to call back when transfer success	0570#	Allow press pat hook to call back
		Restrict press pat hook to call back when transfer success	0571#	
		The CO line group permitted to be used when transfer to CO line (S=00 that means can use all CO line)	058S#	S=0
		The maximum call transfer time X=01-16	059XX#	X=08
23.	Fax detection parameter setting	Enable fax detection function	0600#	Disable fax,not set fax extension
		Disable fax detection function	0601#	
		Setting fax extension number	061N#	
		Setting fax detection numbers	062K#	K=2
24.	Caller ID parameter setting	Disable add digits for internal call	080#	Disable
		Add two KK digits for	080KK#	

		internal call		
		FSK mode	0812#	Auto-detect mode
		DTMF mode	0813#	
		auto-detect mode	0814#	
		Double modes	0815#	
		Auto-disable FSK after opening 5 seconds	0816#	Normally open
		FSK mode Normally open	0817#	
		Caller ID receiving time	081TT#	TT=1(T=0.1s)
25.	Flexible Ext .Code	Single Ext.setting	200NABCD #	Initial Ext.number ： 101-6255 （9000#）
		Batch setting Ext. N_1 -N_2 add 1 automatically from ABCD	$20N_1*N_2ABCD$#	
		Batch setting all extensions add 1 automatically from ABCD	21ABCD#	
		Restore default setting(101-6256)	2000#	
26.	Extension group number setting	Single Ext.group setting	22GABCD #	Initial Ext.group number:801-832（9200#）
		Batch setting extension group G_1-G_2 add 1 automatically from ABCD	$22G_1*G_2ABCD$#	
		Batch setting all extension groups add 1 automatically from ABCD	23ABCD#	
		Restore default setting(801-832)	2200#	
27.	Extension group member setting	Clear all ext.group members	2400#	Not setting

		Clear member of Ext.group G（G=01-32）	24G#	
		Setting Ext. group G member	$24GN_1N_2*N_3…N_5#$	
28.	CO line group member setting	Clear all CO line groups member	2500#	Not setting
		Clear CO line group S members(G=01-32)	25S#	
		Setting CO line group S members	25S $M1M2*M3…M5#$	
29.	A-D restrict prefix(X=1-4) E-F special prefix (X-5-6)	Clear all	2600#	Item A:(01 group):00 Item B:(01 group):0 Item E(01 group) :110 Item E(05 group) :119 Item E(03 group) :120
		Clear item X	26X#	
		Clear the prefix group QQ	26XQQ#	
		Setting the the prefix of group QQ	26XQQabc#	
30.	Extension dial-out mode	All direct dialing out	900#	indirect dialing out
		Batch direct dialing out	$900N_1N_2*N_3…N_5#$	
		All indirect dialing out	901#	
		Batch indirect dialing	$901N_1N_2*N_3…N_5#$	
31.	Extension transfer restriction	Restrict all	910#	
		Batch restriction	$910N_1N_2*N_3…N_5#$	
		Allow all	911#	
		Batch allow	$911N_1N_2*N_3…N_5#$	
32.	Extension hot line	Enable all	920#	Disable all
		Batch enable	$920N_1N_2*N_3…N_5#$	
		Disable all	921#	
		Batch disable	$921N_1N_2*N_3…N_5#$	
33.	IP function	Enable all	930#	Disable all
		Batch enable	$930N_1N_2*N_3…N_5#$	

		Disable all	931#	
		Batch disable	931N$_1$N$_2$*N$_3$…N$_5$#	
34.	Internal Ext. Call restriction(except programming Ext.)	Disable all	940#	Allow all
		Batch disable	940N$_1$N$_2$*N$_3$…N$_5$#	
		Allow all	941#	
		Batch allow	941N$_1$N$_2$*N$_3$…N$_5$#	
35.	Abbreviated-dialing restriction	Disable all	950#	Allow all
		Batch disable	950N$_1$N$_2$*N$_3$…N$_5$#	
		Allow all	951#	
		Batch allow	951N$_1$N$_2$*N$_3$…N$_5$#	
36.	Extension transfer to CO line access	Disable all	960#	Allow all
		Batch disable	960N$_1$N$_2$*N$_3$…N$_5$#	
		Allow all	961#	
		Batch allow	961N$_1$N$_2$*N$_3$…N$_5$#	
37.	Intercom extension	Setting all	980#	All extensions are normal extensions
		Batch setting	980N$_1$N$_2$*N$_3$…N$_5$#	
		Clear all	981#	
		Batch clear	981N$_1$N$_2$*N$_3$…N$_5$#	
38.	Extension lock/password lock status(internal class)	Close all	990#	Enable all
		Batch close	990N$_1$N$_2$*N$_3$…N$_5$#	
		Enable all	991#	
		Batch enable	991N$_1$N$_2$*N$_3$…N$_5$#	
39.	Extensions and CO line use access	Allow all Ext. use all CO lines in Day mode	800#	S=00，All extension can use all CO line in day mode
		Allow all Ext. use CO line group S in Day mode(00-32)	800S#	
		Allow Ext. N use CO line group S in Day mode	800SN#	

		Batch allow Ext. use CO line in Day mode	$800SN_1N_2*N_3...N_5\#$	
		Restrict all Ext. use all CO lines in Day mode	801#	
		Restrict Ext. N use all CO lines in Night mode	801N#	
		Allow all Ext. use all CO lines in Night mode	810#	
		Allow all Ext. use CO line group S in Night mode(00-32)	810S#	
		Allow Ext .N use CO line group S in Night mode	810SN#	
		Batch allow Ext. use CO lines in Night mode	$810SN_1N_2*N_3...N_5\#$	
		Restrict all Ext. use all CO lines in Night mode	811#	
		Restrict Ext .N use all CO lines in Night mode	811N#	
40.	Extension call-out class	Setting all Ext. call-out class in Day mode	820L#	Call class is 1
		Setting single Ext..N in Day mode	820LN#	
		Batch setting Ext. call-out class in Day mode	$820LN_1N_2*N_3...N_5\#$	
		Setting all Ext. call-out class in Night mode	821L#	
		Setting single Ext. N calling-out class in Night mode	821LN#	
		Batch setting Ext. call-out class in Night mode	$821LN_1N_2*N_3...N_5\#$	
41.	Extension dial-out	Setting all Ext. outgoing restriction time is TT(TT=00 no	83TT#	

		time restriction)	
	time restriction	Setting single Ext. N outgoing restriction time	83TTN#
		Batch setting Ext. N outgoing restriction time	$83TTN_1N_2*N_3…N_5#$
42.	Extension pick up access	Setting pick up class for all Ext.	84L#
		Setting pick up class for a single Ext.	84LN#
		Batch setting pick up class for Ext.	$84LN_1N_2*N_3…N_5#$
43.	Billing setting	Clear billing data	7000#
		Delay billing time	702TT#
		Incoming billing	7100#
		Incoming not billing	7101#
44.	CO line billing mode setting	Reverse charging mode setting	720#
		Batch reverse charging mode setting	$720M_1M_2*M_3…M_5#$
		Delay charging mode setting	721#
		Batch delay charging mode setting	$721M_1M_2*M_3…M_5#$
45.	Abbreviate dialing setting	Clear all abbreviate numbers	73#
		Clear the abbreviate code for the group K(K=01-96)	73K#
		Setting the abbreviate code for the group K	73Kabcdef# or hang up
46.	Private password(Mobile account) setting	Clear all private passwords	75#
		Clear the No.U private password	75U#
		Setting the No.U password is WWWW, the class is L	75ULWWWW#
	LCR(Least	Disable LCR function	6010#

	cost routing) parameter setting	Enable auto-LCR function	6011#
		Enable manual-LCR function	6012#
		Enable auto-LCR and manual-LCR function	6013#
		Allow to use normal CO line when the special CO line is busy	6020#
		Restrict to use normal CO line when the special relay is busy	6021#
		Allow to use special CO line when the normal relay is busy	6030#
		Restrict to use special CO line when the normal relay is busy	6031#
47.	Routing CO line setting	Setting all the CO lines are the members of CO line group K(K=0,normal CO line group)	61Y#
		Batch setting CO lines are the members of CO line group K(K=0,normal CO line group)	$61YM_1M_2*M_3…M_5$#
48.	Setting the certain number of routing ((Y=1-4 corresponding special CO line group 1-4)	Clear all	62Y#
		Clear the special number of group PP in the special number of type Y	62YPP#
		Clear the special number of group No. PP in the special number of type Y is abc	62YPPabc#
		Clear all special certain number	6200#
49.	IP dialing setting	Disable IP dialing	6400#
		Enable IP dialing	6401#
		According to the dialing	6402#

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		number , system add IP prefix number dialing	
		According to the selected CO line , system add IP prefix number dialing	6403#
		IP prefix number can contain*#	6410#
		IP prefix number can not contain*#	6411#
		IP prefix number * is pause sign	6412#
		Dialing normal number can not add normal IP code dialing	6420#
		Dialing normal number can add normal IP code dialing	6421#
50.	Add IP prefix number dialing setting	Clear all IP prefix number	65#
		Setting normal IP prefix numbers	650adcdef# or hang off
		Setting the special IP prefix number of the group Y(Y=1-4)	65Yadcdef # or hang off
51.	Association function Disable)	Initialize association parameter	6600#
		Disable association function	6610#
		Enable association function	6611#
		Setting normal association mode	6620#
		Setting fast association mode	6621#
		association delay time	662TT#
		Setting association main line	663M#
		Setting Ext. number	663MABCDEF#
52.	Enable/Disable CO line	Enable all CO lines	500#
		Enable a single CO line	500M#
		Batch enable CO lines	$500M_1M_2*M_3…M_5$#

		Disable all CO lines	501#
		Disable a certain CO line	501M#
		Batch disable CO lines	501M$_1$M$_2$*M$_3$…M$_5$#
53.	OGM access for CO line	Allow all CO lines can use all OGM	502#
		Batch allow CO line can use OGM V	502VM$_1$M$_2$*M$_3$…M$_5$#
		Restrict all CO lines to use all operators(V=1-4)	503#
		Batch restrict CO line to use OGM V	503VM$_1$M$_2$*M$_3$…M$_5$#
54.	Outgoing calls for CO line setting (only in LCR setting)	Allow all CO lines make outgoing calls	504#
		Batch allow CO lines make outgoing calls	504 M$_1$M$_2$*M$_3$…M$_5$#
		Restrict all CO lines make outgoing calls	505#
		Batch restrict CO lines make outgoing calls	505 M$_1$M$_2$*M$_3$…M$_5$#
55.	Delay ringing setting	Ringing delay when outside calls in(enable operator/auto-attendant mode)X=0-3	51X#
56.	CO line Operator/ Auto-attendant mode setting	Setting all CO line in operator mode	520#
		Setting a single CO line in operator mode	520M#
		Batch setting CO line in operator mode	520M$_1$M$_2$*M$_3$…M$_5$#
		Setting all CO line in auto-attendant modes	521#

		Setting a single CO line in auto-attendant mode	521M#
		Batch setting CO line in auto-attendant mode	$521M_1M_2*M_3…M_5$#
		setting CRBT mode	522#
		Setting a single CO line in CRBT mode	522M#
		Batch setting CRBT mode	$522M_1M_2*M_3…M_5$#
		Enable call center modes	523#
		Enable a single CO line in call center mode	523M#
		Batch enable call center mode	$523M_1M_2*M_3…M_5$#
57.	Ringing parameter setting	Normal ringing mode(all Ext rings together)	530#
		Round circle ringing mode 1	531#
		Round circle ringing mode 2	532#
		Line ringing mode	533#
		Round circle ringing switch time	534TT#
		Not send prompt tone when all ringing Ext. are busy	5350#
		Send prompt tone when ringing Ext. are busy	5351#
		Call waiting when ringing Ext. are busy	536#
		Ring the idle Ext.in Ext. group when all ringing Ext. are busy(G=00 is operator)	536G#
58.	Caller center mode(averagely incoming traffic)ringing seat setting	Setting Ext. Group G is seat group in Day mode	540G#
		Setting Ext. Group G is seat group in Night mode	541G#

		Setting OGM have X paragraphs X=1-4	550X#
59.	OGM parameter setting	OGM is available in Day/Night mode	5510#
		OGM is available in Day mode	5511#
		Operator is available in Night mode	54512#
		Waiting when OGM is busy	5520#
		Transfer to operator mode when OGM is busy	5521#
		Not send prompt tone when dialed Ext. is busy	5522#
		Send prompt tone when dialed Ext. is busy	5523#
		In CRBT mod , ringing extensions directly	5530#
		In CRBT mode , allow dialing the extension first then ringing the extension	5531#
		Operator ringing mode is enabled for certain extension in CRBT(default value)	5532#
		Call center ringing mode is enabled for certain extension in CRBT ,	5533#
		Permissible dialing time for certain extension in CRBT(default is 5s)	553TT#
60.	No dialing in auto-atten dant	Time for waiting after play the record	554TT#
		release the CO lines	5540#
		Transfer to operator ringing Ext.	5541#
61.	Dial wrong number in auto-atten	Send error prompt tone and continue to dial when dialed wrong number	5550#
		dial wrong number be regarded	5551#

	dant mode	as no dialing	
62.	In Auto-atten dant mode, when the dialed extension is busy	Release the CO line when Ext. Is busy(available for OGM paragraph 1 and paragraph 2)	5560#
		Waiting for TT time and transfer to operator ringing Ext.(available for OGM paragraph 1 and paragraph 2)	5561#
		Waiting for TT time	556TT#
63.	Nobody answer the called extensions in auto-atten dant mode	Release the CO line when no body answer	5570#
		Transfer to operator ringing Ext. when no body answer	5571#
64.	Operator ringing Ext. in Day mode setting	Clear all CO lines ringing Ext. in Day mode	4000#
		Clear ringing Ext. for CO line M In Day mode	40M#
		Setting all CO lines ringing operator in Day mode	4100#
		Setting all CO lines ringing Ext.group G in Day mode(G=01-32,G=00 is operator)	41G#
		Setting CO line ringing Ext.group G in Day mode	41GM#
		Batch setting CO line ringing Ext.group G in Day mode	41GM1M2*M3…M5#
65.	Operator ringing extension in Night	Clear all CO lines ringing Ext. in Night mode	4200#
		Clear ringing Ext. for CO line M in night mode	42M#

		Setting all CO lines ringing operator in Night mode	4300#
		Setting all CO lines ringing Ext.group G in Night mode(G=01-32,G=00 is operator)	43G#
	mode Setting	Setting CO line ringing Ext.group G in Night mode	43GM#
		Batch setting CO line ringing Ext.group G in Night mode	43GM1M2*M3…M5#
66.	Door phone setting	Clear all door phones	3000#
		Setting Ext.N is the door phone No. K	30KN#
67.	Intercom/Door phone ringing extensions setting(X=1,intercom ringing extension)	Setting all door phones ringing Ext. group G in Day mode(0 is operator)	31G#
		Setting the door phone No.X ringing Ext. group G in Day mode (0 is operator)	31XG#
		Setting all door phones ringing Ext. group G in Night mode(0 is operator)	32G#
		Setting the door phone No.X ringing Ext. group G in Night mode	32XG#
68.	Intercom function Setting	Disable	330#
		Enable	331#
		Setting Intercom ringing back mode(Y=0 means Music,Y=1 means ringing back,Y=2 means mute)	340Y#
		Disable intercom ringing disable mode(Y=0 means	341Y#

		disable ringing,Y=1 means send D code to disable,Y=2 means normal disable	
		Internal extension disabled code K(00-16)	342KK#
		Time for waiting to dial number after pick up the intercom extensions	343TT#
		Setting unlock device pick-up time	344TT#
		Door phone conversation time	345TT#
		Enable C.O line transfer time when door phone call arrives	346TT#

6.2 Index of Operations

Noted: All instruction should be programmed in operator or program extension ;No need enter the programming status .If the Ext. In indirect-out mode ,no need input * , .If the Ext.in direct-out mode ,need input*

Index	Function	Format
1.	Setting system date(Year/month/date/week)	Pick up+(#)*01YYMMDDW#
2.	Setting system time(hour/minute/second)	Pick up+(#)*02HHTTSS#
3.	Setting clock time of certain Ext. is HHTT; $ABCD_1$,$ABCD_2$,$ABCD_N$ is Ext flexible code	Pick up+(#)*03HHTT+$ABCD_1$+$ABCD_2$+…+ $ABCD_N$
4.	Clearing all Ext. clock	Pick up +(#)*04#
5.	Clearing a certain Ext.clock	Pick up +(#)*04+$ABCD_1$+$ABCD_2$+…+ $ABCD_N$

6.	Clearing for Ext.Lock password	Pick up +(#)*05#
7.	Clearing for a certain Ext.lock password	Pick up +(#)* 05+$ABCD_1$+$ABCD_2$+…+ $ABCD_N$
8.	Switch to Day mode(Manual switch is available)	Pick up +(#)*20#
9.	Switch to Night mode(Manual switch is available)	Pick up +(#)*21#
10.	Setting auto-attendant switch mode	Pick up +(#)*22#
11.	Setting manual switch mode	Pick up +(#)*23#
12.	Clearing call transfer for all Ext.	Pick up +(#)*26# or Pick up +(#)*27#
13.	Clearing call transfer for Ext.No.N(N=001-255)	Pick up +(#)*26+N# or Pick up +(#)*27+N#
14.	Setting Ext.No.N call forwarding to a certain Ext.	Pick up +(#)*26+N+ Ext. No.
15.	Setting Ext.N call forwarding from CO line transfer to a certain outside line number	Pick up +(#)*26+N*+ outside line number # or hang up
16.	Setting Ext.N transfer to a certain Ext. when no body answer	Pick up +(#)*27+N+ Ext.No.
17.	Setting Ext.N transfer to a certain outside line number when no body answer	Pick up+(#)*27+N*+outside line number # or hang up
18.	Setting conversation time for auto CO line to CO line in all Ext.is TT(TT=15s)	Pick up +(#)*28+TT#
	Setting conversation time for auto CO line to CO line for a certain Ext.	Pick up +(#)*28TT+$ABCD_1$+$ABCD_2$+…+ $ABCD_N$

6.3 System Programming

Noted: All extension can use this programming ;No need enter the programming status .If the Ext. In indirect-out mode ,no need input * , .If the Ext.in direct-out mode ,need input*

Index	Function	Operator code
1.	Outward dialing	Pick up +9+ phone number
2.	Outgoing call transfer	Pick up+(9)+phone No.+conversation+pat hook+Ext. No.
3.	Call pick up CO line	Pick up+(#)+1+M
4.	Intercom calling	Pick up+(#)+Ext. number
5.	Ext. Group calling	Pick up+(#)+Ext. Group number
6.	Dialing operator	Pick up+(#)+0
7.	CO line and Ext. reservation	Busy tone+#
8.	Pick CO line and Ext.	Pick up +(#)+*+9
9.	Pick up a certain Ext.	Pick up+(#)+*+Ext. No.
10.	Private password using(U=001-128)	+(#)+*+5+UVWWWW+(9)+phone No.
11.	Abbreviate dialing	Pick up +(#)+*+70+ Serial No.
12.	Internal call and external call transfer	Conversation+pat hook+Ext. No.(Or Ext. Group No.)
13.	Three way conference(Two internal calls+one external)	Conversation+pat hook+*+Ext. No.
14.	CO line reservation	Conversation+pat hook+*+*

15.	Cancel CO line reservation		Conversation+*+*
16.	Call switch(Call pick up during conversation)		Conversation+*+9 Conversation+*+3+Ext.No.
17.	Three way conference(Two internal calls+one external)+Manual CO line to CO line transfer		Reservation the first call and talk with second call +pat hook +*6 enter three way conference ,press * then hang up enter Co to CO mode
18.	CO line to CO line conversation		Press * to keep the conversation (98TT# set the conversation time),press * end the conversation
19.	Multi-way conference		Conversation+pat hook+*+* to reserved multi-way calls
			The last conversation+pat hook+*7 to enter multi-way conference calls
			Host Ext off hook and press **and talk with all on hold conference extension(stop on hold music)
20.	Multi-way conference conversation		Press ** to close conference mode and press ** to release all co lines ,host Ext.can hang off ,other extension continue with conference mode
21.	Call Barge and monitoring(only for operator and programming ext)	Monitoring CO line No.M	Pick up+(#)+*71+M
		Monitoring Ext./Force release	Pick up +(#)+*72+Ext.No. Monitoring+* to call barge
22.	Call all Ext.(Operator and programming Ext.)		Pick up+(#)+*88
23.	Broadcasting call(Operator and programming Ext.)		Pick up+(#)+*86#
24.	Transfer CO line to broadcasting		Conversation+pat hook+*+5

25.	Lock opener	Pick-up the No.K lock opener relay (K=1-4)	Pick up+(#)*77+K
		Release the No.K lock opener relay	Pick up+(#)*78+K
		On/off No.K relay clock(unlock control)	Pick up+(#)*79+K
26.	Clear Ext. Function(Call transfer/Clock)		Pick up+(#)*80#
27.	Do not disturb		Pick up+(#)*83#
28.	Clear clock function		Pick up+(#)*4#
29.	Setting clock function		Pick up+(#)*4 HHTT#
30.	Call forwarding	Call forwarding to a certain Ext.	Pick up+(#)+*81+Ext.No.
		Call forwarding to a certain CO line	Pick up+(#)+*81+CO line No.
31.	Call transfer when busy	CO line transfer to Ext. When busy	Pick up+(#)+*82+Ext. No.
		CO line transfer CO line	Pick up+(#)+*82*+CO line No.
32.	Clear transfer setting		Pick up+(#)* 81# or Pick up+(#)* 82#
33.	Ext. Lock function	Setting Ext. Lock password(abcd$_1$ is old password,abcd$_2$ is new password)	Pick up+(#)+*5*+abcd$_1$ + abcd$_2$ #
		Ext. lock	Pick up+(#)+*5*+ABCD
		Ext. unlock	Pick up+(#)+*5#+ABC#
34.	Music monitoring		Pick up +(#)+*+60
35.	System version inquiry		Pick up +(#)+*+64+hang up(Incoming inquiry) Pick up +(#)+*+64+#(OGM inquiry)
36.	Inquiry of Ext.		Pick up +(#)+*+61+hang

		up(Incoming inquiry)
		Pick up +(#)+*+61+#(OGM inquiry)
37.	Port number and own Ext.number inquiry	Pick up +(#)+*+62+hang up(Incoming inquiry)
		Pick up +(#)+*+62+#(OGM inquiry)
38.	Ext. Parameters inquiry	Pick up +(#)+*+65+hang up(Incoming inquiry)
		Pick up +(#)+*+65+#(OGM inquiry)
39.	System time inquiry	Pick up +(#)+*+63+hang up(Incoming inquiry)
		Pick up +(#)+*+63+#(OGM inquiry)
	System date inquiry	Pick up +(#)+*+66+hang up(Incoming inquiry)
		Pick up +(#)+*+66+#(OGM inquiry)