TELEPHONE EXCHANGER
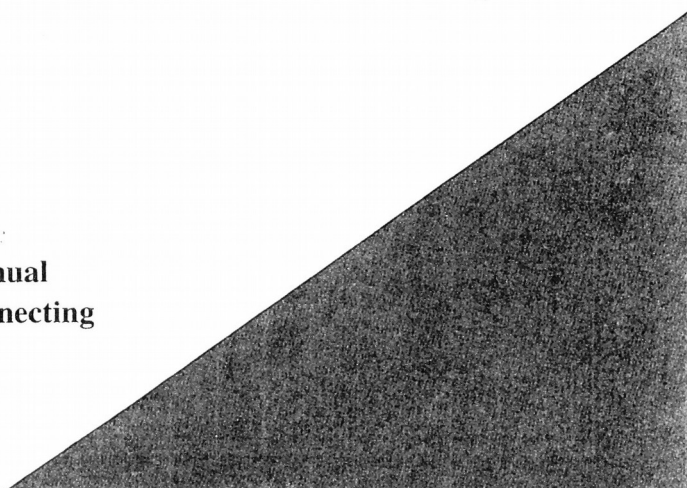
User's MANUAL

**Please read this manual
carefully before connecting**

Note

1.Keep this unit away from heating and electrical noise generating devices such as fluorescent lamps, motors and televisions.

2.keep free of dust, moisture high temperature and vibration, and should not be exposed to direct sunlight.

3. Do not use any abrasive power to clean the cabinet, wipe it with a soft cloth.

Warning

DO NOT USE OR CONNECT THE TELEPHONE DURING THE LIGHTNING SITUATION

THIS UNIT MAYBE INSTALLED AND SERVED BY QUALIFIED SERVICE PERSONAL

TO PREVENT FIRE OR SHOCK HAZAD, DO NOT EXPOSE THIS PRODUCT TO RAIN OR MOISTURE.

The Difference of Type "I" & "II"

Type "I" means single voice channel that only allows two partners talking at the same time, if any other party pick up any extension or there is an incoming call at this time, both unavailable.

For type "II" (double voice channels):one channel is for incoming outside call, another one is for intercom talking.

Technical Specifications

Power Supply	AC220V ±10% 50Hz OR 110V ±10% 60Hz
Power Consumption	≤15VA
Exchange Mode	Analog
Extension Mode	DTMF
Feeding Current	DC24V 20~30mA
Voltage Resistance	50Hz/1,000 Vrms/ minute
Ringing Current	AC70V

Distortion: ≤10%

Transmission attributes: extension to extension ≤1. 5dB

                            extension to trunk line ≤2. 0dB

What kind of telephone do you use?

This mini-PABX is only available for **DTMF Telephone,** unavailable for **Pulse telephone**.

Description of symbols used in this manual
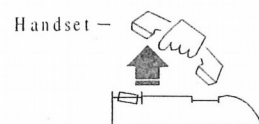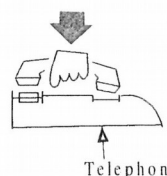
EXTs………..Extensions

Cos…………..Outside lines

Operator ………………EXT.802

Program telephone …EXT.801

JK ……………………….Time duration restriction (01~99) minutes

N…………EXT. series number(last digital)

Handset —

Lift the handset (off-hook)

Telephon

Replace the handset (on-hook)

Chapter 2   System Operation

Default setting

1. The EXT. numbers are in line: 801~802~803~…~808

2. CO line is in Operator Transfer status.

3. All the EXTs are NOT in Do Not Disturb status.

4. Free call and no time duration restriction for all the EXTs.

5. For type "II" (double voice channels): one channel is for incoming outside call, another one is for intercom talking.

6. All EXTs (extensions) should support DTMF signal. And all System Program should be operated by EXT801 (the program telephone), you will hear "one beep" if your system program is correct while wrong if hear 3-beep busy tone.

Access the System Program Status

EXT801 off-hook then press * #

NOTE: You **SHOULD** access the System Operation status by EXT801 every time before all the following operations:

Operator Assistance/DISA

Format: 1100, access operator status

          1000, access DISA status

Remarks: For an incoming call in Operator Assistance status, all the extensions without setting Do Not Disturb will ring at the same time, you could pick up the call and transfer; while for the incoming call in Auto-attendance, all the extensions will

not ring and the Caller hear the OGM; the caller could dial the desired extension no. (to enquiry dial "0" then EXT802 will ring).

Do Not Disturb/to Cancel

Format: 2N10, to set do not disturb, N refers to the EXT series no

           2N00, to cancel do not disturb.

Class of Service /to Cancel

Format: 3N00 → Free call (to cancel), N refers to EXT series no.

          3N10 → Civic Call Restriction (only Intercom Call allowed)

          3N20 → National Call Restriction (allow for Civic Call)

          3N30 → Int'l Call Restriction (allow for National Call)

Restrict the Group Initial-number (available for Type "II")

Format: 4NQABCD "N" stands for EXT series number; "Q" for item number from "1" to "8"; "ABCD" stands for the desired number to restrict; if not less than four-digit number, press # at the end.

Remarks: Every extension is allowed to restrict eight group initial number. Eg.: to restrict EXT806 to call such numbers as   "1680xxxx,130xxxx,5xxxx,22xxxx", you may operate as following : EXT.801 Off-hook → press * # to access the System Operation status → press 4611680(one beep) → 462130# (one beep) → 4635# (one beep) → 46422# (one beep)

Restrict the Single Initial Number (for type "I")

Format: 4NM0 → to restrict (N stands for the last digit of the EXT number; M for the numbers "1" to "9" desired to restrict.

          4N00 → to cancel

Remarks: Every EXT could restrict the initial – number from 1 to 9.

Special Initial Number Dialingout Allowed

Format: 5NABCD → allow to dial four initial number ABCD

          5NABC# → allow to dial three initial number ABC

          5NAB## → allow to dial two initial number AB

Remarks: Allow you to dial some special Initial – number already restricted.

For example: If EXT804 is restricted to dial initial-number "0" (national call not allowed), but you want to dial "010" by EXT804 at the same time , you could operate as following: → EXT801 off-hook → press "* #" to access the System Operation status → press "54010#" . Thus EXT804 could not dial the national call except that in Peking city (city area code: 010).

Outgoing Duration Restriction

Format: 6NJK (N is the last digit of the extension number; JK refers to the duration restricted, from 1 to 99 minutes)

          6N00 → to cancel this function

Remark: Allow you to restrict the outgoing C.O Line duration

For example: to restrict EXT807 outgoing call for 3 minutes, you could operate as following: → EXT801 access System Operation status → press 6703

Return to System Default Setting

Format: 0000

Default Setting: Extension is in Directly-dialing-out status + Operator Assistance + all EXTs ring at the same time for an incoming call + all extensions are free call + no duration restriction.

Chapter 3   HOW to Make a Call

Outgoing Call

Boss/secretary Call

Format: # * + EXT. number

Remark: Allows the secretary access the desired outside call instead of the Boss, then transfer the talk to the Boss. After the secretary accessed the desired line → press "# *" and EXT. number

Interrupt an Existing Call (for Type "II" only)

Format: "777"

Remark: Allows the EXT801 to access the existing talk when no C.O line available; This operation is only available for EXT.801 of type "II".

Incoming Call

Call Transfer

If EXT "A" want to transfer the incoming call to EXT "B", that simply require to dial the number of the EXT "B" directly, and at then.

1.If EXT "A" don't going on-hook after transfer the call to EXT "B", thus "A" hear the ringing-back tone, EXT "B" will ring, and the incoming Caller hear the Music-on-hold. If "B" don't pick up the ringing call, after 25 seconds, the call will return, and "A" re-communicate with the incoming Caller again; if "B" pick up the call during the 25 seconds, "A" will have an intercom talk with "B", and if any party go on-hook, the other party will communicate with the incoming Caller.

2.If EXT "A" go on-hook after transfer the call to EXT "B", at this time "B" ring, while the incoming Caller hear the Music-on-hold. "B" could have a talk with the incoming Caller when pick up the call. If "B" don't pick up the ringing call, after 25 seconds, the call will return to "A". After pick up the call, A could re-talk to the incoming Caller or transfer again. If "A" don't pick up the back call, after 30 second, the call will switch off automatically.

3-Party Conference (for type "II" only)

When the Operator transfer an incoming call to Party "A" & Party "B", who are having an intercom talk, Party "A" or Party "B" press any key for above 2 seconds, At this time, a 3-party conference call is established.

Call Pickup

Situation 1: for type "I" PABX → Pick up any extension to pick up the call.

Situation 2: for type "II" PABX → Pick up the extension, press "9"

Incoming Call Waiting Signal (for type "II" only)

If EXT "A" is having an intercom talk with EXT "B", and any party is called by the incoming call, the Party will receive the Call Waiting Signal by two "beeps".

Intercom call

Allow you to have an intercom call with any other extension: Pick up the extension, press "*" and " the desired extension number".

Chapter 4   Maintenance & Troubleshooting

Setting seems no function: Used a wrong extension to program.

Could not Monitor a Message: 1.Forgot to connect the phone line. 2. Use a wrong extension to monitor. Only the 801 is available to monitor.

Only the unit (801) working: Power is down or power cord loosed

Some setting did not work: 1.Repeat to program after disconnect the Out going line. 2.Be sure that the confirmation tone "Bu"? to be heard after each setting during programming mode.

Some extension could make a call but does not ring: Loading the factory default and re-setting again.

After setting Electronics Operator mode Some noise or message is heard: Record your message into the memory after initial usage.

Caller ID no function: 1. Only the 801/802 will be available for Caller ID, check your caller ID phone connection with it's port. 2. Check if your phone is supporting The caller ID feature. 3. Some battery-less Caller ID phone may not be functional with PABX exchanger. In this case, choose a CID phone with it's internal battery.

Only the 801 extension could be used: 1. The AC power plug is not plug-into the wall jack. 2. AC voltage is not reliable or too lower. Purchase a voltage regulator for the exchanger.

Can not call another extension and always Connect to Telephone line: Another internal channel is in used by another extension. Try to call later.
A busy tone is always heard and could not make any call: Both internal channel and telephone Line is in used. Try to call later.