

Smart PABX

Telephone Switching Devises

Communication controller

3C SOHO PABX SYSTEM

USER MANUAL

UKF-416A

(4CO, 16EXT.S)

**EASY TO INSTALLATION
INTERGRATED 3C EQUIPMENTS
DIRECT INWARD SYSTEM ACCEESS
INTELLIGENT DIGITAL RECORDING**

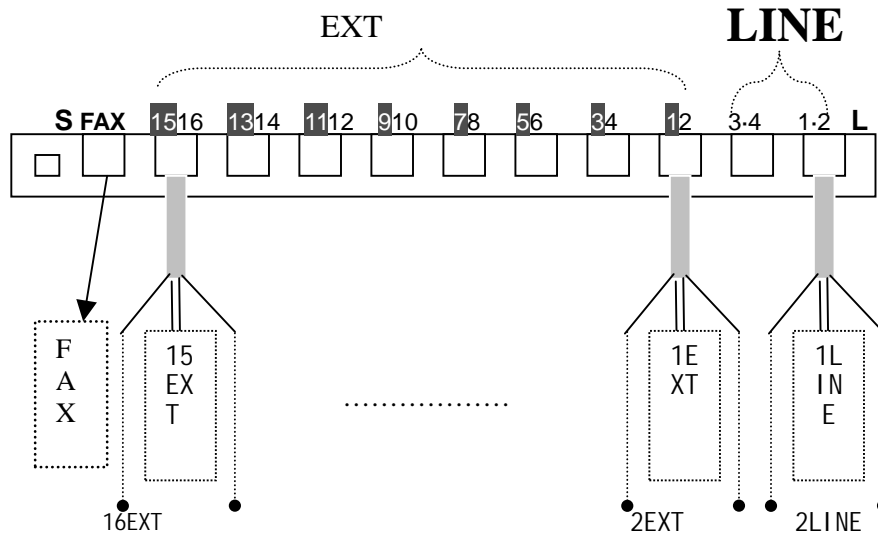
The all-in-one communications system that helps maximizes
Your business productivity

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、 Installation

The frontal connection terminal of the exchange refers to the following illustration:



Per jack are 4 wire , the middle 2wire for line ,other for line2 ,

Notice:

- (1) This exchange should be installed at place where is dry、 ventilated、 stable and far from heat source & other interference that may cause conversation quality decline or spoil.
- (2) CO line could connect to any CO line station in this exchange, and this exchange adopts auto recognition CO line theory, it is to plug and play.
- (3) Use TONE dialing telephone sets as extensions.
- (4) During power loss, extension 81, 82, 83 will be connected to the CO line 1, CO line 2, and CO line 3 to allow you keeping in touch with outside world.

Installation procedure:

- 1、 The PABX uses RJ-11 modular jack for its CO line and extension connection.
- 2、 Refer to the above illustration; connect CO line to the jack labeled as LINE; connect extensions to the jack labeled as S1 TO S8; plug the power cord into the outlet.
- 3、 Before switching power on, lift handset of extension 81、 82、 83 to check whether the corresponding CO line has put through; if not, check the whether connecting line has joint well.
- 4、 As a wall mount unit, position the mounting map to the location where you are going to hang the PABX. Install two screws into the solid wall. Push down to let the controller rest on the screws.

、 Programming

- All programming should be done on extension 81 only.
- If the data inputted is correct, a “Du” will be heard; if incorrect, “Dudu” will be heard.
- After finishing programming, system will perform the swift batch processing, no need turn off the power, it just can do work.

1、 Enter into programming state

lift handset * # 0000 (password) (Du)

When you heard a “du”, it means that system has entered in programming state, you can input relevant coding; you could do several programming continuously without replacing the handset. If you heard busy tone, it means your programming incorrect, you need to input it again.

2、 Default setting and functions

After your finishing wire connection, plug and switch on the power, the system is ready for basic use without any setting. If you want to add or change the following function, you must do programming.

2.1 The default factory-set function:

- (1) **No outgoing calls restriction for extension.**
- (2) **Operator assistant (DISA off)**
Extension 81 to 84 is in ringing state,
Extension 85-88 is in “Do not disturb” state.
- (3) **The CO lines have not been divided into groups and all is in open status.**
- (4) **No CO using time restriction.**
- (5) **Initializing password is “0000”**

2.2 Revert to initialization (default setting)

Lift handset * # 0000 0000 (DU....)

Notice: Wait during the initialization till busy tone is heading which means the initialization has done.

3、 Modify password

Lift handset * # 0000 3 4 digits new password

4、 Recording OGM (20 second)

Lift handset * # 0000 1000 (Du) record #

There are 20 seconds to record company greeting. Recording remains after power failure. You may record the company greeting as: "This is ABC Company, please dial extension number or dial 0 for operator. Thank you for calling ABC Company."

Review recording

Lift handset 1100

After recording, please monitor the recording result through extension 801. Record it if you are not satisfied with it.

5、Attended mode

(1) Operator Assistant (DISA off)

Lift handset * # 0000 8 LINE (1-4) 10

(2) Auto attendance (DISA on)

Lift handset * # 0000 8 LINE (1-4) 00

6、(1) Outgoing call rank restriction for extension

Lift handset * # 0000 4 extension (01 ~ 16) rank number

Rank number: 0- no restriction

2- restrict dialing local call

3- restrict dialing DDD

4- restrict dialing IDD

(2) Disable rank restriction

Lift handset * # 0000 4 extension (01 ~ 16) 0

7、Lock 1-4 digits starting character

Each extension can lock 6 sets 1-4 digits starting character, so code each starting character a serial number

(1) Program

Lift handset * # 0000 5 extension (01-16) serial number (1-6)

1-4 digits starting character #

If user needs to restrict several starting characters of 1-4 digits, the above procedure from 60 to 1-4 digits starting character could perform repeatedly, no need to replace handset. For example:

Extension 83 restrict dialing 168、 139、 324、 866 four numbers.

Suppose: serial No.1 is 168, No.2 is 324, No.3 is 139, and No.4 is 866

Program:

(2) Disable

Release simple starting character each time

Lift handset * # 0000 5 extension (01 ~ 16) serial number (1 ~ 6) #

For example: Extension 83 needs release the number 139

Program: Lift handset * # 0000 5 3 3 #

Release ALL starting character

Lift handset * # 0000 5 extension (01 ~ 16) # #

8、Release special number in the state of restriction

Even though the extension is restricted dialing DDD, due to the specific need of work、 business etc, you are still allowed to release some specific number

(1) Program:

Lift handset * # 0000 6 extension (01 ~ 16) serial number (1 ~ 6) specific allowed long zone code

For example: Extension 803 restricts dialing 168 in serial number 1.

Suppose: but his is allowed to dial 1681

Program: Lift handset * # 0000 6 3 1 1681 (Du)

(2) Disable:

Lift handset * # 0000 6 extension (01 ~ 16) serial number (1 ~ 6) #

9、CO using time restriction

The length of conversation for each extension are usually restricted in 01 ~ 99 minutes; When there is special purpose, no restriction.

Lift handset * # 0000 7 extension (01 ~ 16) XX

When XX range from 01 to 99 minutes, the conversation length is restricted.

When XX equals 00, this extension has no restriction.

10、Divide CO lines into groups

It authorizes which extension could use which CO line or do intercom only.

Lift handset * # 0000 20 CO (1 ~ 4) ext(01-16) if continue do # (Du)

The programming procedure from "1" to "#" could perform repeatedly, it is no need replace handset.

CO 1 is only allowed using by extension 801、802, other extensions are forbid to .CO 2 is allowed using by extensions 801 to 805, other extensions are forbid to.

CO 3 is allowed using by extension 805 to 808, other extensions are forbid to.

Programming:

Lift handset * # 0000 20 1 (1、2) # 1 2 (1、2、3、4、5) #

1 3 (5、6、7、8) #

If there is a special case needs closing a CO line, just input no extension.

For example: It is to close CO 3.Programming

Lift handset * # 0000 20 3 ##

11、Do not disturb

Each extension could be set to the state of "Do not disturb" (Extension 81 could not set to "Do not disturb").

(1) Program "Do not disturb"

Lift handset * # 0000 9 extension (01 ~ 16) 1

The extension that has been set to "Do not disturb" will not ring if there is incoming call.

(2) Disable “Do not disturb” (two ring status)

(1) First ringing station when there is incoming call.

Lift handset	* # 0000	9	extension	(1 ~ 16)	0
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12、 Ring a designated extension

Designate a ring extension for a special CO line. When there is call comes in through this special CO line, it will ring the designated extension.

(1) Program:

Lift handset	* # 0000	21	CO (1 ~ 4)	EXT(1-16)
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(2) Disable:

Lift handset	* # 0000	21	CO (1 ~ 4)	9
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13、 Chang Extension number setting

Lift handset	*#0000	888	ext (1 ~ 16)	new ext(601-999)
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Explanation: you can arrange extension number in the range from 601 to 999 willfully.

、 Caller ID (option feature)

1. The PBX can receive the Caller ID from CO line in both signal formats: FSK & DTMF. The PBX transmit the Caller ID to each extension is in DTMF format only.
2. To have Caller ID function, both PBX and telephone sets need to be with Caller ID function.
3. When operate the intercom dialing, and the receiver can't see the caller ID (extension number) from the display telephone set. This may caused by the display telephone set can't display the number fewer than 4 digits. Please exchange a display telephone set.
4. Please connect the C.O. line and extensions well, then power on the PBX.

V、Operation

The default setting is with DISA off, if you need auto attendant to answer the phone, please record the OGM and enable the DISA function first.

1、 Make outgoing calls

Lift handset dial the phone number directly

2、 Intercom

Lift any handset * extension number (801 ~ 816)

3、 Designate a CO line

Lift any handset * CO line number (1 ~ 4)

4、 Special number (first digit * or # dialing)

Lift any handset * CO line number (1 ~ 4) dial number

To do special number dialing, it is necessary to designate a CO line first.

5、 Reserve a CO line

Lift any handset * dial “0”

6、 Call pick up

Lift any handset * dial “5”

7、 Transfer

(1) Transfer incoming call

Extension which is in conversation * extension number (801 ~ 816)

Extension A transfer to extension B, Extension A could hold up after hearing ring-reply tone; Extension A could consult with Extension B and then hold up; if extension B does not answer in 20 seconds, extension A could received it again and converse to CO line. Outside caller will hear on-hold waiting music during the transferring.

(2) Transfer outgoing call (sectary phone)

Extension which is in conversation # extension number (801 ~ 816)

9、 Call parking

None but switchboard (extension 801) hold this function. Either incoming call or outgoing call could be parked. The outside party will hear 2 minutes waiting music.

Switchboard is in conversation (INCOMING CALL) * * *

Switchboard is in conversation (OUTGOING CALL) # # #

During the parking, if there is else incoming call from other CO line, it will ring single other extension. Switchboard can pick it up through Dialing “5”. After conversation, pat the hook or hold up, the parked CO line will ring the switchboard; lift handset and can talk to the CO party. During the parking switchboard can also dial extension number and intercom, the CO line parked has the priority of ringing, if dial an error number you can repeat the operation, other extension has no parking call function.

10. Broadcast

Lift any handset * 88 speak ”

Lift handset of any extension, listen for dialing tone and dial * 89, you can talk to the receiver of the telephone. The content of talking will broadcast outside through the external public-address system.

VI、 Trouble and troubleshooting

Problem: the working indicator is not light

Reason: power is off

Solution: check the plug and wire

Problem: extension has no sound

Reason: bad transformer

Solution: change a transformer of same specification

Problem: there is noise

Reason: poor contact or wire layout unreasonable

Solution: lighten the contact point or far from interference

Problem: the timbre is poor

Reason: use various phones

Solution: unify standard phone for extensions

Problem: could not make outgoing call

Reason: no connect CO line or connect badly

Solution: connect CO line or check the connection

Problem: outgoing call break in a certain time

Reason: CO using time restriction

Solution: disable the using time restriction

Problem: unable to rest to the default setting

Reason: use extension 82 to 88

Solution: program with extension 81

VII、 Technical parameters

- | | |
|--------------------------|---|
| 1、 Swap pattern | ---- Analogy |
| 2、 Conversation loop | ---- 4 (loop without block) |
| 3、 Telephone sets | -----TONE dialing telephone set only |
| 4、 Caller ID (CO line) | ----- FSK & DTMF |
| 5、 Caller ID (intercom) | ----- DTMF |
| 6、 Intercom dialing tone | ----- 450 Hz continuous sine wave |
| Echo tone | ----- 1 second on、 4 seconds off |
| Busy tone | ----- 0.35 seconds on、 0.35 seconds off |
| 7、 Ringing Voltage | ----- AC90V |
| 8、 Power consumption | ----- 16VA |

VIII、 After service

- 1、 If there is malfunction run into this exchange in use, please deal with it according to the troubleshooting. If this could not solve the problem, do not open this exchange and overhaul it, avoiding spoiling it; Please contact local agency or contact our company directly.
- 2、 Malfunction results from non-human factors; we would help you remain it in free.
- 3、 The duration of guaranty is within a year from the day selling. Beyond the term of service or the malfunction is made by the user's abnormal operation, the maintenance charge is needed accordingly.

X. Quick Reference Card

Operation

Function	Operation
Extension Number	801 ~ 816 (default)
Making CO call	Lift handset telephone no.
Intercom	* extension no. (801~816)
Occupy CO line 1	* 1
Occupy CO line 2	* 2
Occupy CO line 3	* 3
Special number (*, #) dialing	* CO (1~4) special telephone no.
Reserve CO line	busy tone * 0
Call Pick Up	* 5
Transfer incoming call	* extension number (801~816)
Transfer outgoing call	# extension number (801~816)
Call Park (incoming call)	* * *
Call Park (outgoing call)	# # #
Broadcast	* 88

Rank Code	No restriction	0
	Restrict local call	2
	Restrict DDD	3
	Restrict IDD	4

PROGRAMMING

Programming method: Enter in programming state through extension 81: *#0000, (0000 is default password), a “Du” will be heard, then dial the following:

Function	Programming code
Reset to default	0000 (till the busy is heard)
Divide CO lines in groups	20 CO (1 ~ 4) extension (1 ~ 16) #
Close the CO line	20 CO (1 ~ 4) ##
Recording OGM	1000 (“Du”) record (10 seconds) #
Review recorded OGM	110
Ring a designated extension	21 CO (1 ~ 4) extension (1 ~ 16)
Disable	21 CO (1 ~ 4) ##
Modify password	3 XXXX
Outgoing call restriction	5 extension (1 ~ 16) Rank Code (0, 2, 3, 4)
Disable	5 extension (1 ~ 16) 0
Lock 1-4 digits character	60 extension (1 ~ 16) (1 ~ 6) first 1-4 digits # (6 sets of first 1-4 digits)
Disable lock	60 extension (1 ~ 16) (1 ~ 6) #
Release special number	6 extension (1 ~ 16) (1 ~ 6) special allowed long zone code
Disable release	6 extension (1 ~ 8) (1 ~ 6) #
Change Extension number	888 new extension no.(601-999)
CO using time restriction	7 extension (1 ~ 16) XX (01-99 minutes)
Disable CO using time	7 extension (1 ~ 16) 00
Operator Assistant (DISA off)	8 CO (1 ~ 4) 10
Auto attendant (DISA on)	8 CO (1 ~ 4) 00
Do not disturb	9 extension (01 ~ 16) 1
The 1 st Ring extension	9 extension (1 ~ 16) 0

Thank you for using our PBX.

---- The END ----