

Programming Guide

SECTION A	Main System Program Option
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- (1) **MAIN PASSWORD (M.P):** To prevent unauthorized users from reprogramming the system, a four-digit password has been set which your dealer will disclose to you. This password should be kept confidential to prevent misuse of the system. **To re program any facility,**

Step	Procedure	Tones	Abbreviations / Remark
1	Lift handset	Internal Dial Tone	
2	Dial Main password - *89 00 00	Beep tone	0000 = Default Main PW
3	Now, you can program the EPABX as per your needs		

- ❖ You can program multiple features one by one. After each correct program you shall get a confirmation tone otherwise a error tone.
- ❖ If you make any mistake while programming, simply disconnect and start gain

To come out of programming mode	Dial "0" & hang up
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Caution: - All System Programming can be done only in Main Password Mode (M.P mode) from any Extn.in tone / DTMF mode at the site.

- (2) **CHANGING PASSWORD:** To Set New Main Password for the system

Step	Procedure	Tones	Abbreviations / Remark / Remark
1	Lift handset	Internal Dial Tone	
2	Dial Main password - *89 XXXX	Beep tone	XXXX= Old Main PW
3	To change Dial 89 YYYY	Confirmation tone	YYYY= New Main PW

Note: - In case one forgets the Main Password, then proceeds as follows, to get default PW:

- Switch OFF the system
- Insert jumper cap on the two pin jumper (P.W.RST - near 3v battery)
- Switch on the system
- Wait for Dial Tone & remove jumper cap
- **Dial *890000, GET BEEP TONE, and now dial 0 to exit from password.**
- After this operation, password shall revert back to **original *890000**

- (3) **CLEARING MEMORY:** To clear the entire memory & load the system with default settings, dial (from PW mode)

Step	Procedure	Tones	Abbreviations / Remark
1	96 + 0000	Confirmation tone	

After this operation, system shall revert back to default mode for all features.

- (4) **DATE & TIME SET:** Set date & time for using -- "Alarm", "Auto Day Night", "Dynamic Lock", "Hotline" functions. To do so

Step	Procedure	Tones	Abbreviations / Remark
1	Dial 82+DD+MM+YY+DAY+ HH:MM DAY= 1 Sunday , 2 Monday.....7 Saturday, HH:MM=time in 24 hour format	Confirmation tone	DD= Date 01 to 31, MM= Month 01 to 12, YY= Year 00 to 99

Example: - To set 2.05 p.m., 1st June Friday 2014, Dial Main password + 82 01 06 14 6 14 05

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(5) **FLEXIBLE NUMBERING (EXTN / JN):** You can change any extension/ junction number .To do so

Step	Procedure	Tones	Abbreviations / Remark
1	Dial 371 + YY + ZZZ	Confirmation tone	YY = Port No. 01 to 11, ZZZ = flexible (1 to 3) digitnumber of Extension / Junction

Note: - Flexible no. can be of max. 3 digit. If less than 3 digit ,dial # to get confirmation tone.

Default setting is as below—104

Extension & port no.				Abbreviations / Remark	
Port No.	Extn. No.	Port No.	Extn. No.		
01	21	09	61		
02	22				
03	23				
04	24				

Default setting is as below-206/308

Extension & port no.				Junction & port no		Abbreviations / Remark
Port No.	Extn. No.	Port No.	Extn. No.	Port No.	JN No.	
01	21	05	25	09	61	
02	22	06	26	10	62	
03	23	07	27	11	63	
04	24	08	28			

Default setting is as below-414

Extension & port no.				Junction & port no		Abbreviations / Remark
Port No.	Extn. No.	Port No.	Extn. No.	Port No.	JN No.	
01	21	08	28	15	61	
02	22	09	29	16	62	
03	23	10	30	17	63	
04	24	11	31	18	64	
05	25	12	32			
06	26	13	33			
07	27	14	34			

To set default flexible number (Extn / Jn):

Dial 373 + XXXX	XXXX =Main PW
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**NOTE: - 371# All no. wash code
371 + port no. + # one port wash**

(6) **FLEXIBLE FEATURES CODE:** You can change any feature operating code. To do so

Step	Procedure	Tones	Abbreviations / Remark
1	Dial 372 + YY + ZZZ	Confirmation tone	YY = location No. (L. No.) 01 to15 ZZZ = flexible feature code

Note: - Flexible code can be max. 3 digits .If less than 3 digits', dial # to get confirmation tone.

Default Feature Code setting is as below--

L. No	Feature Name	Flex Code	L. No	Feature Name	Flex Code
01	Call forward / DND	*721	12	Trunk Group	0
02	Call forward / DND cancel	*720	13	Day / Night Mode	*85
03	Extn / Jn Hot line	*16	14	Paging	*87
04	Call pick up	*4 (single digit change only)	15	Selective call pick up	*76
05	Alarm	*98	16	Remote Programming	399
06	Set Dynamic lock	*81	17	Trunk Group	*5
07	Open dynamic lock	*82	18	Trunk Reservation	*112
08	Dynamic lock P. W.change	*86	19	Emergency no. dial	*99
10	Memory Dialing	*88	20	Reset emergency no.	*77
11	System Password	*89			

To set default feature code:

Dial 373 + XXXX	XXXX =Main PW
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(7) (A) FEATURE ENABLE / DISABLE CODE FOR EXTN: You can enable / disable feature of any extension. To do so

Step	Procedure	Tones	Abbreviations / Remark
1	Dial 31 + XX+ YY	Confirmation tone	XX = Extension no., YY = GROUP NO.

Feature no.	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Group no. 0	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Group no. 1	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Group no. 2	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Group no. 3	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Group no. 4	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Group no. 5	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Group no. 6	Y	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	N	N	Y	N
Group no. 7	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Group no. 8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Group no. 9	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y

Feature no.	Feature
0	Relay
1	CLI
2	Trunk Reservation
3	MONITOR
4	Barge-IN
5	Auto Call Back
6	executive ring
7	Call Forward
8	Alarm
9	Dynamic Lock
10	Hot Line
11	Call Pick up
12	Conference
13	
14	
15	Internal Dialing

(b) Changing feature group table

You can change the features allotted to any group.

To change, dial 25 + x + f00 + f01 + f02-----f15

Where x = group no.

F00 to f15 = feature

1 = enable

2 = disable

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- (8) **CALL TRANSFER WITHOUT FLASH:** With this unique feature, one can transfer an incoming call without use of FLASH KEY. To do so

Step	Procedure	Tones	Abbreviations / Remark
1	Dial 218+ 17 + X (Default setting= 2)	Confirmation tone	X= 1 for ON, 2 for OFF

NOTE:- This feature can be used only with default extn. number's

- (9) **RELAY (ON/OFF or CLICK) ACTION:** To do so

Step	Procedure	Tones	Abbreviations / Remark
A	To set RELAY action Dial 218 + 06+ X	Confirmation tone	X= 1 Relay Click Action = 2 Relay Normal ON/OFF Action
B	To set Click Action Timer Dial 217 + 11 + XX	Confirmation tone	XX = 01 to 99 m.sec (Default = 10m.sec)

- (10) **TO SET RELAY OFF-ON TIME:** Max.10 set of timing's can be programmed for the relay to switch on/off automatically. To do so

Step	Procedure	Tones	Abbreviations / Remark
A	Dial 84 +X+HHMM (ON) + HHMM (OFF)	Confirmation tone	X= 1,2,...,9,0 location no, HHMM = 24 Hr format
B	To set relay in auto mode Dial 218 + 10 + X	Confirmation tone	X = 1 for Auto 2 for Manual

SECTION B	OUTGOING CALL Program Option
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- (11) **JUNCTION GROUP ACCESS:** To make an outgoing call , you can set for junction line access in **Linear orRotational** mode. To do so

Step	Procedure	Tones	Abbreviations / Remark
1	Dial 218 + 02+ X (Default setting= 2)	Confirmation tone	X= 1 forlinear way 2for Rotational way

- (12) **SELECTIVE JUNCTION ACCESS:**

Step	Procedure	Tones	Abbreviations / Remark
1	Dial801+ Extn no.+ X + Y + Z (Default setting= 1 for X/Y/Z)	Confirmation tone	X = Jn61, 1 for on 2 for off, Y = Jn62, 1 for on 2 for off, Z = Jn63, 1 for on 2 for off

- (13) **JUNCTION ACCESS GROUP:**

Step	Procedure	Tones	Abbreviations / Remark
1	Dial91+ JN no.+ X + Y (Default setting= 1 for X/Y)	Confirmation tone	Junction no. = 1 / 2 / 3 or 0 X (0 GROUP) =1 for ON, 2 for OFF Y (*5 GROUP) = 1 for ON, 2 for OFF

- (14) **LINEAR ROTATIONAL**
218 + 02 + x
X = 1 for linear access of junction 0/*5 group,
=2 for rotational access of junction 0/*5 group
Default is rotational

- (15) **JUNCTION TIE DIGIT:**

Step	Procedure	Tones	Abbreviations / Remark
1	Dial54+ JN no.+ X (Default setting= 0 for X)	Confirmation tone	Junction no. = 1 / 2 / 3 or 0 X (Tie digit) =1 to 9

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- (16) **CLASS OF SERVICE (COS):** You can set different class of service for any extn to make external call. To do so

Step	Procedure	Tones	Abbreviations / Remark
1	Dial 94+ Extn no.+ X+ Y (Default setting= 1 1 COS)	Confirmation tone	X= DAY Y= NIGHT COS = 1 for LOCAL CALL, 2 for STD CALL, 3 for ISD CALL, 4 for only Intercom 5 ONLY LOCAL LAND LINE

- (17) **DYNAMIC LOCK DELAY TIMER SETTING:** You can set dynamic lock time delay to protect misuse of external calls. To do so

Step	Procedure	Tones	Abbreviations / Remark
1	Dial 219 + Extn.no. + X (Default setting=0 for manual setting)	Confirmation tone	X= 0 for manual setting, 1 to 9 minute for auto lock setting

DYNAMIC LOCK DISABLE: You can disable the dynamic lock function of any extn. To do so

Cancellation of DYNAMIC LOCK	Dial 862 +EXTN.NO., Get confirmation tone
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- (18) **HOTLINE DELAY TIMER:** You can set hotline delay timer to make a call directly. To do so

Step	Procedure	Tones	Abbreviations / Remark
1	Dial 217 + 19. + XX (Default setting= 3 sec)	Confirmation tone	XX = Delay time-01 to 98 sec

- (19) **MEMORY DIALING:** You can store 50 external numbers for memory dialing. To do so

Step	Procedure	Tones	Abbreviations / Remark
1	Dial 88+ LL+ Y+ external no.+#	Confirmation tone	LL = Location no.(00 to 99), Y = JN line no./ JN Gr no. (1 =jn 1,2 =jn 2& 3 =jn3) /(Gr0) / (Gr*5)

SECTION C

INCOMING CALL Program Option

- (20) **INCOMING CALL LANDING EXTN: (D/ N)** Upto three extension's can be set for incoming call landing. These three extension's can be separate for day / night mode. To do so

Step	Procedure	Tones	Abbreviations / Remark
1	(A) For Day mode Dial 92+ JN no.+ Ext1+Ext2+Ext 3 +Ext4+Ext 5 (B) For Night mode Dial 93+ JN no.+ Ext1+Ext2+Ext 3 Ext4+Ext 5	Confirmation tone	JN = 1 for JN 1, 2 for JN 2, 3 for JN 3 4 for JN 4 (Default = All JN for Extn 21,22,23,24,25)

Note: - if number of desired extension's is less than 3, then repeat last Extn no. to get confirmation tone.

- (21) **ROUND ROBIN FIRST EXTN. BUSY (WAITING BEEP ENABLE /DISABLE):**

Step	Procedure	Tones	Abbreviations / Remark
1	Dial 218 + 18+ X (Default setting= 2 Disable)	Confirmation tone	X = 1 for Enable Beep 2 for Disable beep

- (22) **INCOMING CALL RING TYPE :(D / N)** For incoming call, You can set incoming call landing pattern for either Rotational / simultaneous ring on extensions for day/ night mode. To do so

Step	Procedure	Tones	Abbreviations / Remark
1	Dial 46 + JN no. + XY (Default setting= 1 R/R)	Confirmation tone	Junction = 1 - JN1, 2 - JN 2,3 - JN 3 X= DAY MODE Y= NIGHT MODE 1 for Round Robin (R/R) 2 for Simultaneous

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(23) TO SET AUTO DAY NIGHT CHANGE OVER TIMING:

Step	Procedure	Tones	Abbreviations / Remark
1	Dial 83+Day+HH+MM (Day) +HH+MM (Night) DAY= 1 Sunday ,2 Monday.....7 Saturday, HH:MM=time in 24 hour format	Confirmation tone	HH MM (Day) = Day mode start time HH MM (Night) = Night mode start time

Default timing for all seven day: 09 00 AM for day mode & 1800 PM for night mode

(24) RING TYPE OF EXTENSION

29 + extn. no. +x

x= 1 executive, 2 trunk ring type, 3 normal ring, 4 short ring, 5 ring long gape ring or 8 cordless ring

(25) BULK PROGRAMMING

36 + * + x flash timing
94 + * + xx cos
801 + * + xyz selective trunk access
31 + * + xx feature table

(26) REMOTE PROGRAMMING

You can program crystal EPABX from a remote end also.
When in speech mode with any extension, ask the user to H/f and dial 399

You shall come back in speech mode with the user. now enter you or user shall Dial main password (890000)
You shall get acceptance beeps.
Now start programming.
To come out programming mode, dial 0

The programmer and the person at call extension can talk softly during Programming also. After dialing '0' the conversation can continue normally Again.

Programming can be done in DTMF mode only

(27) JUNCTION CLASS OF SERVICE

95 + x + yy
X = 1 for 61 yy =11 local mobile +land line
 2 for 62 =22 std
 3 for 63 =33 all allowed
 4 for 64 =55 only local land line

(28) FLASH TIMING

Each extension can be programmed to have its own hook flash timings. as per the flasht iming of the telephone instrument connected on that extension

36 + extension no. + x = 1 for 100 ms., 9 for 900 ms.

In default, the flash timing for all extension 600 ms.

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(29) (A) VOICE CHIP ENABLE

218 + 01 + 1

0 EXIT PW (SYSTEM OFF ON)

(B) RECORD VOICE

721 + X WHERE X = MESSAGE TYPE 1 TO 5

1 FOR DAY, 2 FOR NIGHT, 3 FOR WRONG NO. DIAL, 4 FOR BUSY, 5 FOR NO RESPONSE

(C) VOICE PLAY SELF TEST

722 + X WHERE X = MESSAGE TYPE 1 TO 5

NOTE: - BEFORE RECORDING DIAL 7230 CLEAR CHIP COMMAND

**(30) VOICE DID
TO SET VOICE DID FUNCTION OF TRUNK INCOMING CALL**

43 + XX + Y + Z

XX = JUNCTION NO. 1 FOR 61, 2 FOR 62, 3 FOR 63, 4 FOR 64

Y = DAY (1 ENABLE, 2 DISABLE)

Z = NIGHT (1 ENABLE, 2 DISABLE)

(31) INCOMING CALL RING TIMER SETTING:

Step	Procedure		Tones	Abbreviations / Remark
A	To set ring duration on an extension, before it jumps to next,	Dial 217 + 10+ XX	Confirmation tone	XX = 01 to 98 sec (Default = 15 sec)
B	If there is a small ring before caller ID number is sent, you shall need to set a delay for incoming call landing.	Dial 217 + 41 + XX	Confirmation tone	XX = 01 to 98 sec (Default = 02 sec)
C	On an incoming call, if there is a long gap between two ring cycles, you can increase this delay setting	Dial 217 + 43 + XX	Confirmation tone	XX= 01 to 98 sec (Default = 05 sec)

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SECTION D	TIMERS
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(32) Timers:

Sr No	Type of Timer	Description	Prg steps	Remarks
1	Inter digit timer	It is the maximum permissible delay between two dialed digits. Also if common numbering is enabled, after dialing last digit, any action will be taken after this delay	Dial 217 + 00 + XX Get Confirmation tone	XX = 01 to 99 sec (default 03)
2	Error tone timer	It is the time for which an extension shall get error if any wrong digit is dialed. To change this timer,	Dial 217 + 01 + XX Get Confirmation tone	XX = 01 to 99 sec (default 05)
3	Dial tone timer	It is the time for which an extension shall get dial tone on going off-hook. To change this timer	Dial 217 + 02 + XX Get Confirmation tone	XX = 01 to 99 sec (default 15)
4	Busy tone timer	It is the time for which an extension shall get busy tone. To change this timer	Dial 217 + 03 + XX Get Confirmation tone	XX = 01 to 99 sec (default 06)
5	Ring timer	It is the time for which an extension shall ring for any internal call. To change this timer	Dial 217 + 04 + XX Get Confirmation tone	XX= 01 to 99 sec (default 45)
6	Confirmation timer	It is the time for which an extension shall hear confirmation tone after any feature code . To change this timer	Dial 217 + 08 + XX Get Confirmation tone	XX = 01 to 99 sec (default 01)
7	Round robin timer	For an incoming call, it is the time for which a extension will ring before it is transferred to next extension on round robin mode. To change this timer	Dial 217 + 10 + XX Get Confirmation tone	XX = 01 to 99 sec (default 15)
8	# REDIAL/GLOBEL NO.DELAY TIMER		Dial 217 + 40 + XX Get Confirmation tone	XX= 01 to 99 sec (default 10)
9	TRUNK RESERVATION TIMER		Dial 217 + 44 + XX Get Confirmation tone	XX = 01 to 99 MINUTE(default 05) NOTE :- 00 RESERVE PARMANENT
10	Did beep timer		Dial 217 + 42 + XX Get Confirmation tone	XX = 01 to 99 sec (default 05)
11	Tie digit delay timer		Dial 217 + 45 + XX Get Confirmation tone	XX = 01 to 99 sec (default 02)
12	Fnd calling buzzer timer		Dial 217 + 24 + XX Get Confirmation tone	XX = 01 to 99 sec (default 05 = 10 sec.)

(33) FLAGS

FLAGS	Description
21801+X	VOICE CHIP ENABLE DISABLE
21802+X	LINEAR /ROTATIONAL
21803+X	
21804+X	
21805+X	
21806+X	RELAY CLICK ON-OFF
21807+X	
21808+X	
21809+X	
21810+X	RELAY AUTO MANUAL
21811+X	
21812+X	
21813+X	
21814+X	
21815+X	
21816+X	
21817+X	TRANSFER WITHOUT FLASH
21818+X	ROUND ROBIN BEEP OFF-ON
21819+X	
21820+X	
21821+X	
21822+X	
21823+X	

X= 1 ON
= 2 OFF

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