



**MU-110 VERSION**

**SYSTEM CONFIGURATION TABLE**

# **INSTITUTIONAL COMMUNICATION SYSTEM**

## **IC-100**

1. This is the instruction manual for the function setting and is available for checking and servicing of the system.
2. You are requested to keep this manual on-hand as this is an extremely important document for the maintenance of the system.
3. When the tie-line connection is made with more than one exchange, complete these system configuration tables for each exchange.

**TOA Electronics, Inc.**

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# SYSTEM CONFIGURATION TABLE

## 1. System Function Registration Table

Function Code	Function	Registration	Remarks
01	Total exchange numbers		1 – 9 exchanges
	Exchange number		No. 1 – 9
11	Station digit number		2, 3 or 4 digits
12	Paging pre-announcement tone		1 : 4-note chime 2 : Single tone
13	Speed Dialing digit number		1 or 2 digits
	First digit of speed dialing		0 – 9
14	Zone Digit number		1 or 2 digits
15	Westminster chime temp		1 – 5
16	Time signal source		0 : No sound source 1 : Long Westminster chime 2 : Medium Westminster chime 3 : Short Westminster chime 4 : Trill tone 5 : External sound source 1 6 : External sound source 2 7 : External sound source 3
	External bell control		0 : No external bell control 1 : External bell control
17	External bell duration control		01 – 99 sec.
18	Paging power remote control		0 : OFF, 1 : ON
19	Duress alarm		0 : OFF, 1 : ON

## 2. Time-Out Registration Table

Function Code	Function	Registration	Remarks
22	Alert tone time interval		00 : No alert 01 – 99 : 10 – 990 sec.
23	Conversation time-out		00 : No limit 01 – 99 : 10 – 990 sec.
24	Calling time-out		00 : No limit 01 – 99 : 10 – 990 sec.
25	Paging time-out		00 : No limit 01 – 99 : 10 – 990 sec.
26	PBX conversation time-out		00 : No limit 01 – 99 : 10 – 990 sec.

### 3. Time Schedule Registration Table [Function Code : 21]

#### <Schedule A>

Event No.	Time	Day of the week							Zone No. (Max. 9 zones)									Time signal source	External bell control	
		Mo	Tu	We	Th	Fr	Sa	Su	①	②	③	④	⑤	⑥	⑦	⑧	⑨			
1																				
2																				
3																				
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30																				
31																				
32																				

**[Note]** : 1. Zone No.                      Zone No. 01 – 60 (Zone No. 60 is used for “all zone” broadcast)

2. Time signal source    0 : No sound source  
                                   1 : Long Westminster chime  
                                   2 : Medium Westminster chime  
                                   3 : Short Westminster chime  
                                   4 : Trill tone  
                                   5 : External sound source 1  
                                   6 : External sound source 2  
                                   7 : External sound source 3

3. External bell control    0 : No external bell control  
                                   1 : External bell control

**<Schedule B>**

Event No.	Time	Day of the week							Zone No. (Max. 9 zones)									Time signal source	External bell control	
		Mo	Tu	We	Th	Fr	Sa	Su	①	②	③	④	⑤	⑥	⑦	⑧	⑨			
1																				
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28																				
29																				
30																				
31																				
32																				

**[Note]** : 1. Zone No.                      Zone No. 01 – 60 (Zone No. 60 is used for “all zone” broadcast)

2. Time signal source    0 : No sound source  
                                   1 : Long Westminster chime  
                                   2 : Medium Westminster chime  
                                   3 : Short Westminster chime  
                                   4 : Trill tone  
                                   5 : External sound source 1  
                                   6 : External sound source 2  
                                   7 : External sound source 3

3. External bell control    0 : No external bell control  
                                   1 : External bell control

**<Schedule C>**

Event No.	Time	Day of the week							Zone No. (Max. 9 zones)									Time signal source	External bell control	
		Mo	Tu	We	Th	Fr	Sa	Su	①	②	③	④	⑤	⑥	⑦	⑧	⑨			
1																				
2																				
3																				
4																				
5																				
6																				
7																				
8																				
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26																				
27																				
28																				
29																				
30																				
31																				
32																				

**[Note]** : 1. Zone No.                      Zone No. 01 – 60 (Zone No. 60 is used for “all zone” broadcast)

2. Time signal source    0 : No sound source  
                                   1 : Long Westminster chime  
                                   2 : Medium Westminster chime  
                                   3 : Short Westminster chime  
                                   4 : Trill tone  
                                   5 : External sound source 1  
                                   6 : External sound source 2  
                                   7 : External sound source 3

3. External bell control    0 : No external bell control  
                                   1 : External bell control

**<Schedule D>**

Event No.	Time	Day of the week							Zone No. (Max. 9 zones)									Time signal source	External bell control	
		Mo	Tu	We	Th	Fr	Sa	Su	①	②	③	④	⑤	⑥	⑦	⑧	⑨			
1																				
2																				
3																				
4																				
5																				
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27																				
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29																				
30																				
31																				
32																				

**[Note]** : 1. Zone No.                      Zone No. 01 – 60 (Zone No. 60 is used for “all zone” broadcast)

2. Time signal source    0 : No sound source  
                                   1 : Long Westminster chime  
                                   2 : Medium Westminster chime  
                                   3 : Short Westminster chime  
                                   4 : Trill tone  
                                   5 : External sound source 1  
                                   6 : External sound source 2  
                                   7 : External sound source 3

3. External bell control    0 : No external bell control  
                                   1 : External bell control

**<Schedule E>**

Event No.	Time	Day of the week							Zone No. (Max. 9 zones)									Time signal source	External bell control	
		Mo	Tu	We	Th	Fr	Sa	Su	①	②	③	④	⑤	⑥	⑦	⑧	⑨			
1																				
2																				
3																				
4																				
5																				
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29																				
30																				
31																				
32																				

**[Note]** : 1. Zone No.                      Zone No. 01 – 60 (Zone No. 60 is used for “all zone” broadcast)

2. Time signal source    0 : No sound source  
                                   1 : Long Westminster chime  
                                   2 : Medium Westminster chime  
                                   3 : Short Westminster chime  
                                   4 : Trill tone  
                                   5 : External sound source 1  
                                   6 : External sound source 2  
                                   7 : External sound source 3

3. External bell control    0 : No external bell control  
                                   1 : External bell control



**<Schedule F>**

Event No.	Time	Day of the week							Zone No. (Max. 9 zones)									Time signal source	External bell control	
		Mo	Tu	We	Th	Fr	Sa	Su	①	②	③	④	⑤	⑥	⑦	⑧	⑨			
1																				
2																				
3																				
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31																				
32																				

**[Note]** : 1. Zone No.                      Zone No. 01 – 60 (Zone No. 60 is used for “all zone” broadcast)

2. Time signal source    0 : No sound source  
                                   1 : Long Westminster chime  
                                   2 : Medium Westminster chime  
                                   3 : Short Westminster chime  
                                   4 : Trill tone  
                                   5 : External sound source 1  
                                   6 : External sound source 2  
                                   7 : External sound source 3

3. External bell control    0 : No external bell control  
                                   1 : External bell control

**<Schedule G>**

Event No.	Time	Day of the week							Zone No. (Max. 9 zones)									Time signal source	External bell control	
		Mo	Tu	We	Th	Fr	Sa	Su	①	②	③	④	⑤	⑥	⑦	⑧	⑨			
1																				
2																				
3																				
4																				
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30																				
31																				
32																				

**[Note]** : 1. Zone No.                      Zone No. 01 – 60 (Zone No. 60 is used for “all zone” broadcast)

2. Time signal source    0 : No sound source  
                                   1 : Long Westminster chime  
                                   2 : Medium Westminster chime  
                                   3 : Short Westminster chime  
                                   4 : Trill tone  
                                   5 : External sound source 1  
                                   6 : External sound source 2  
                                   7 : External sound source 3

3. External bell control    0 : No external bell control  
                                   1 : External bell control

**<Schedule H>**

Event No.	Time	Day of the week							Zone No. (Max. 9 zones)									Time signal source	External bell control	
		Mo	Tu	We	Th	Fr	Sa	Su	①	②	③	④	⑤	⑥	⑦	⑧	⑨			
1																				
2																				
3																				
4																				
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30																				
31																				
32																				

**[Note]** : 1. Zone No.                      Zone No. 01 – 60 (Zone No. 60 is used for “all zone” broadcast)

2. Time signal source    0 : No sound source  
                                   1 : Long Westminster chime  
                                   2 : Medium Westminster chime  
                                   3 : Short Westminster chime  
                                   4 : Trill tone  
                                   5 : External sound source 1  
                                   6 : External sound source 2  
                                   7 : External sound source 3

3. External bell control    0 : No external bell control  
                                   1 : External bell control

#### 4. Station Registration Table

<Table 1.>

Function code		31	32		33		34	41
LU No.	Line No.	Station No.	Station Type	Priority Level	Control Station (PBX Station) Exchange and Line No.		Emergency Call	Assigned Zone No.
					Exchange No.	Line No.		
1	000							
	001							
	002							
	003							
	004							
	005							
	006							
	007							
	008							
	009							
	010							
	011							
	012							
	013							
	014							
015				—	—			
2	016							
	017							
	018							
	019							
	020							
	021							
	022							
	023							
	024							
	025							
	026							
	027							
	028							
	029							
	030							
	031				—	—		
3	032							
	033							
	034							
	035							
	036							
	037							
	038							
	039							
	040							
	041							
	042							
	043							
	044							
	045							
	046							
	047				—	—		

<Table 2.>

Function code		31	32		33		34	41
LU No.	Line No.	Station No.	Station Type	Priority Level	Control Station (PBX Station) Exchange and Line No.		Emergency Call	Assigned Zone No.
					Exchange No.	Line No.		
4	048							
	049							
	050							
	051							
	052							
	053							
	054							
	055							
	056							
	057							
	058							
	059							
	060							
	061							
062								
063				—	—			
5	064							
	065							
	066							
	067							
	068							
	069							
	070							
	071							
	072							
	073							
	074							
	075							
	076							
	077							
078								
079				—	—			
6	080							
	081							
	082							
	083							
	084							
	085							
	086							
	087							
	088							
	089							
	090							
	091							
	092							
	093							
094								
095				—	—			

<Table 3.>

Function code		31	32		33		34	41
LU No.	Line No.	Station No.	Station Type	Priority Level	Control Station (PBX Station) Exchange and Line No.		Emergency Call	Assigned Zone No.
					Exchange No.	Line No.		
7	096							
	097							
	098							
	099							
	100							
	101							
	102							
	103							
	104							
	105							
	106							
	107							
	108							
	109							
110								
111				—	—			
8	112							
	113							
	114							
	115							
	116							
	117							
	118							
	119							
	120							
	121							
	122							
	123							
	124							
	125							
126								
127				—	—			

**[Note] :** 1. Function Code 32

Station Type:

- 0 : No station connected      1 : W/o handset
- 2 : W/handset                      4 : Unrestricted control station
- 5 : Restricted control station

(\*) No priority level registration required when control station is selected.

Priority :

- 0 : ALARM    1 : NORMAL    2 : STAFF

2. Function Code 33

Control station line number:      015(AS1), 031(AS2), 047(AS3), 063(AS4),  
079(AS5), 095(AS6), 111(AS7), and 127(AS8)

PBX station provisional number:    128 (No.1), 129 (No.2), 130 (No.3), 131 (No.4),  
132 (No.5), 133 (No.6), 134 (No.7), 135 (No.8),

**5. Station Zone Assignment Table [Function Code : 41]**

<Table 1.>

LU No.	Line No.	Zone No.																																
		01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30			
1	000																																	
	001																																	
	002																																	
	003																																	
	004																																	
	005																																	
	006																																	
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	011																																	
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	013																																	
	014																																	
015																																		
2	016																																	
	017																																	
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	026																																	
	027																																	
	028																																	
	029																																	
	030																																	
	031																																	
3	032																																	
	033																																	
	034																																	
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	036																																	
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	038																																	
	039																																	
	040																																	
	041																																	
	042																																	
	043																																	
	044																																	
	045																																	
	046																																	
	047																																	

<Table 3.>

LU No.	Line No.	Zone No.																																
		01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30			
4	048																																	
	049																																	
	050																																	
	051																																	
	052																																	
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	077																																	
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	079																																	
	6	080																																
081																																		
082																																		
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094																																		
095																																		



<Table 4.>

LU No.	Line No.	Zone No.																														
		31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	
4	048																															
	049																															
	050																															
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5	064																															
	065																															
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	6	080																														
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091																																
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094																																
095																																

<Table 5.>

LU No.	Line No.	Zone No.																														
		01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
7	096																															
	097																															
	098																															
	099																															
	100																															
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	123																															
	124																															
	125																															
	126																															
	127																															

<Table 6.>

LU No.	Line No.	Zone No.																															
		31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60		
7	096																																
	097																																
	098																																
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	109																																
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	119																																
	120																																
	121																																
	122																																
	123																																
124																																	
125																																	
126																																	
127																																	

[Note] : Zone No. 01 – 60 (Zone No. 60 is used for “all zone” broadcast.)

**6. Combination Zones Registration Table [Function Code: 42]**

<Table 1.>

Combination Zone No.	Zone No.																				
	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	
1																					
2																					
3																					
4																					
5																					
6																					
7																					
8																					
9																					

<Table 2.>

Zone No. / Combination Zone No.	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
1																				
2																				
3																				
4																				
5																				
6																				
7																				
8																				
9																				

<Table 3.>

Zone No. / Combination Zone No.	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
1																				
2																				
3																				
4																				
5																				
6																				
7																				
8																				
9																				

**7. Paging Zone Assignment Table [Function Code: 43]**

PA Zone No.	Zone No.	Remarks
1		00 : All-call
2		01-60 : Zone
3		61- 69 : Combination zone No. 1-9

**8. Temporary Station Output Disable Mode [Function Code: 44]**

Mode :  1 : Total Output disable  
 2 : Limited output disable (Without automatic reset)  
 3 : Limited output disable (With automatic reset)

**9. External Time Signal Trigger Registration Table [Function Code: 51]**

Trigger Input No.	Zone No. (Max. 9 zones)									Time signal source	External bell control
	①	②	③	④	⑤	⑥	⑦	⑧	⑨		
1											
2											
3											
4											
5											
6											

[Note] : 1. Zone No. 01 – 60 Zone no. 60 is used for “all zone” broadcast.)  
 2. Time signal source 0 : No sound source 1 : Long Westminster chime  
 2 : Medium Westminster chime 3 : Short Westminster chime  
 4 : Trill tone 5 : External sound source 1  
 6 : External sound source 2 7 : External sound source 3  
 3. External bell control 0 : No external bell control 1 : External bell control

**10. External C/O (Telephone) Line Registration Table [Function Code: 52, 53, 56]**

Function code		52/53								56	
		Control Station Line No.									
C/O Line No.		015 (No. 1)	031 (No. 2)	047 (No. 3)	063 (No. 4)	079 (No. 5)	095 (No. 6)	111 (No. 7)	127 (No. 8)	PBX Extension	Restricted PBX Station
1	Transmission station										
	Receiving station										
2	Transmission station										
	Receiving station										

[Note] : Function Code : 56

- (1) PBX extension 0 : No line connected 1 : C/O line 2 : PBX extension (Only 1 extension connectable)  
 (2) Restricted PBX station 0 : Unrestricted station 1 : Restricted station

**11. Auto-Call C/O Transfer Table [Function Code: 54]**

Control Station Line No.	Telephone No. (Max. 16 digits)															
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
015 (AS1)																
031 (AS2)																
047 (AS3)																
063 (AS4)																
079 (AS5)																
095 (AS6)																
111 (AS7)																
127 (AS8)																

**12. Control Station Group Call Table [Function Code: 55]**

Control Station Line No. Group No.	015 (AS1)	031 (AS2)	047 (AS3)	063 (AS4)	079 (AS5)	095 (AS6)	111 (AS7)	127 (AS8)
1								
2								
3								
4								
5								
6								
7								
8								

**13. External Control Input Function Selection [Function Code: 57]**

Selection : Function

Control Station Line No. Group No.	015 (AS1)	031 (AS2)	047 (AS3)	063 (AS4)	079 (AS5)	095 (AS6)	111 (AS7)	127 (AS8)
1								
2								
3								
4								
5								
6								
7								
8								

**14. PBX Station Provisional Number and PBX Station Number Table [Function Code: 58]**

PBX Station Provisional No.	PBX Access No. and Station No. (Max. 8 digits)							
	1	2	3	4	5	6	7	8
1								
2								
3								
4								
5								
6								
7								
8								

**15. First Station Number Exchange Registration Table [Function Code: 61]**

Exchange No.	1	2	3	4	5	6	7	8
Fire Station No.								

**16. Exchange Zone Number Assignment Table [Function Code: 62]**

Exchange No.	Zone No.																														
	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
1																															
2																															
3																															
4																															
5																															
6																															
7																															
8																															
9																															

Exchange No.	Zone No.																														
	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	
1																															
2																															
3																															
4																															
5																															
6																															
7																															
8																															
9																															

**17. Tie-Line Link Registration Table [Function Code: 63]**

Tie-Line Link No.			
1	2	3	4