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KX-TA624 Feature / Programming Overview

The KX-TA624 has many new and changed features compared with the KX-T30810 / 61610
This Guide is intended to assist installers who are already familiar with the KX-T30810 / 61610
This Guide clearly shows the Changed and New features of the KX-TA624 with reference to KX-T30810 / 61610.

Programming (General overview only) :

NEW

Main Section	Sub - Sections			Programming Step
SYSTEM FEATURES	DATE / TIME Setting the system clock			000
	SPEED DIAL Setting the System Speed Dials			001
	SYSTEM SWITCHING Day / Night / Lunch	MODE		006
		TIME		007
	VOICE MAIL INTEGRATION Voice Mail set-up			102 ~ 103
	SYSTEM TIMERS			200 ~ 213
CO LINE	OUTGOING CALLS	LINE CONNECTED		400
		DIAL MODE		401
		DIAL PULSE SPEED		402
		O/G ASSIGNMENT		405 ~ 407
		ARS (LCR) ASSIGNMENT		350 ~ 389
	INCOMING RINGING MODE Day [414] / Night [415] / Lunch [416]	NORMAL	I/C Ring Pattern	408 ~ 410
			Delayed Ring	411 ~ 413
		DIL (Direct In Line) *Must be used for call FWD*		Enter Jack No.
		DISA / UCD / FAX / OGM		500 ~ 526
JACKS	EXTENSIONS	DSS CONSOLE	Assignment	003 ~ 004
			Transfer Mode	005
		CALL BARRING (COS) TABLES		300 ~ 312
		COS ASSIGNMENT		601 ~ 603
		EXTENSION GROUPS		600
		FEATURES		604 ~ 615
	FAX DETECTION (option required)			503
	TAM EXTENSION (Telephone Answer Machine)			611
	DOORPHONE / OPENER			700 ~ 709

Documentation :

Operating Instructions :   Section 1   Operations
                              Section 2   Appendix / Troubleshooting

Installation Manual :   Section 1   Basic System Construction
                              Section 2   Installation of System and all Options
                              Section 3   Feature descriptions
                              Section 4   System Programming steps
                              Section 5   Default Tables for program steps
                              Section 6   Troubleshooting Guide
                              Section 7   Customer Data Programming Tables

Programming note :

System Programming :   A Programming Password has replaced the PBX Program Switch (KX-T30810/61610)
                          (Password Default Setting : '* # 1 2 3 4')
                          Details in the Installation Manual (Page 4 - 2)

Data Clear Switch :   An internal 'Data Clear' switch has been added to the CPU board.
                          Operation described in the Installation Manual (Page 2 - 34)

CURRENT & CHANGED Programming Steps

(with reference to the KX-T30810 / 61610)

KX-T 30810	KX-T 61610	KX-TA 624	Description	Changed or Enhanced Features
00	00	000	Date / Time	
01	01	001	System Speed Dial	
-	02	003	DSS Console Assignment	DSS Console and Paired Telephone
		004	DSS Console Pair Telephone No.	Assignment are now separate steps
03	04	401	Dial Mode DTMF / Pulse	'Call Blocking' has been added i.e. DTMF is not sent to a pulse mode CO line when dialling from a MF telephone.
04	05	006	System Switching Mode Automatic / Manual	
05	06	007 Day / Night / Lunch	System Switching Time	'Day of week' & 'Lunch Start / End' times added
06	07	405	Flexible Outward Dialling - Day	
07	08	406	Flexible Outward Dialling - Night	
-	-	407	Flexible Outward Dialling - Lunch	'Lunch' Mode added
08	09	408	Flexible Ringing Assignment - Day	
09	10	409	Flexible Ringing Assignment - Night	
-	-	410	Flexible Ringing Assignment - Lunch	'Lunch' Mode added
10	11	601	Call Barring Class Assignment - Day	COS assignment added for
	12	602	Call Barring Class Assignment - Night	Day / Night / Lunch
		603	Call Barring Class Assignment - Lunch	Modes
11	13	302 ~ 305	Call Barring - Deny Codes	COS levels 4 & 5 added
33	14	306	Call Barring - Allow Codes	COS levels 4 & 5 added
14	16	-	Automatic Answer Mode	Set by extension user (Operating Instructions Page 1-35)
-	17	403	Host PBX Access Codes	
-	19 Ext. / CO	-	Programmable Call Waiting	Set by extension user (Operating Instructions Page 1-45)
-	20	411	Delayed Ringing Assignment - Day	Delayed Ringing assignment added
		412	Delayed Ringing Assignment - Night	for each mode
		413	Delayed Ringing Assignment - Lunch	
-	21	411 ~ 413	Delayed Ringing count	Included in Program Steps 411 ~ 413
21	22	-	Intercom Alert Tone (Voice / Tone)	Set by extension user (Operating Instructions Page 1-82)
22	23	700	Doorphone Ringing Assignment - Day	Doorphone Ringing assignment
		701	Doorphone Ringing Assignment - Night	added for each mode
		702	Doorphone Ringing Assignment - Lunch	
23	24	127	Dial Call Pickup	Sets the Pickup Groups for Extns.
17	26	204	Call Duration Count Start Timer	
-	27	800 ~ 801	SMDR Communication Parameters	
-	29	802	SMDR Incoming / Outgoing Selection	

CURRENT & CHANGED Programming Steps

(with reference to the KX-T30810 / 61610)

KX-T 30810	KX-T 61610	KX-TA 624	Description	Changed or Enhanced Features
25	30	-	Hold Time Reminder	Preset to 15 secs
26	31	200	Hold Recall Time Set	
27	32	106	External Pager Access Tone	
29	33	-	Programmable Secret Speed Dials	Separate 'Secret' table not provided Refer to 'Secret Dialling' (Installation Manual Page 3 – 62)
18	34	418	Recall Time	No Earth Recall Option
19	35	422	Disconnect Time	
20	36	420	Calling Party Control	
-	37	005	DSS Button Mode With / Without transfer	
28	38	107	DTMF Receiver Check	
12	39	201	Transfer Recall Time	More time options added (15secs / 30secs / 1 min / 2mins)
-	40	-	F3 / FWD Key Sets F3 to a FWD Key	Set by extension user (Operating Instructions Page 1-12)
31	42	419	Automatic CO Line access Outgoing	
-	43	-	Programmable Call Waiting Tone Type	Set by extension user (Operating Instructions Page 1-7)
34	-	703	Door Opener Assignment - Day	Door Opening can now be
		704	Door Opener Assignment - Night	assigned for each Mode
		705	Door Opener Assignment - Lunch	
70	70	350	ARS Enable / Disable	Enabled on an individual CO basis
-	71	351 ~ 354	First Digit of ARS Code	
-	-	300	Carrier Excepted Codes, disregards codes when applying ARS or Call Barring	i.e. Call blocking code (*141)
71	72	355 ~ 358	Carrier Codes Assignment	Stored Carrier Codes are disregarded
72	73	381 ~ 384	Authorisation Code	
73	75	-	Carrier Access Code	Sets the Access Code
		360	ARS Modification – Remove Digits	Removes digits before sending
		361	ARS Modification – Added Digits	Adds digits before the dialled number
-	-	362	ARS Dial Tone Pattern	Selects the Dial Tone generated
-	-	363	ARS Interdigit Time	Assigns the wait time for ARS
-	-	364	ARS Trunk Group	Assigns the trunk group used by ARS
74	74	385 ~ 388	Itemised Bill by Extension	
		389	Assigns the Bill code to each Extension	
75	76	359	BT Access Code	
98	98		Station Program Clear	Set by Extension user (Operating Instructions Page 1-7)
99	99	999	System Data Clear	

NEW Programming Steps

(with reference to the KX-T30810 / 61610)

Step	Program Title	Feature Description	Default
002	System Password	Replaces the PBX Programming Switch (Installation Manual Page 4 –3)	* # : System Prog 1234 : Password
008	Operator Assignment	Assigns the System Operator Telephone	Jack : 01
009	Extension Number Assignment	Allows the extension numbering scheme to be changed	Jack 01 (Ext. 201) 24 (Ext. 224)
010	LCD Time Display Selection	12 / 24 hour clock display options	12 HOUR
011	Speed Dial Number Set	Used for Speed Dials and Call ID Feature	Not stored
012	Alternative Feature Number Plan	Replaces feature with a code 50 ~ 59	Not stored
100	Hunt Group	Enables Station Hunting for Extension Groups	All groups : Disabled
101	Station Hunt Type	Assigns Hunting Type for Extension Groups	All groups : Terminate
102	Voice Mail Port	Enables Jacks (assigned as Voice Mail Ports) to send DTMF signalling to Voice Mail	Jacks 07 / 08 / 15 / 16 : Disabled
103	Voice Mail Port DTMF Integration	Enables signalling of Call Status information to Voice Mail ports (busy, answered, ringing, etc.)	Disabled
104	Hold Mode Selection	Assigns Call Hold Mode for SLT extensions (Example - HOLD 1 : Recall + on-hook)	HOLD 1
105	Conference Tone	Confirmation Tone sent at the Start and End of a Conference Call	Enable (send)
108	Recall Mode of a Station Locked Extension	Allows locked extensions to send a Recall signal whilst talking to an external call	Disabled (not allowed)
109	CO Indicator Assignment	Allows an extension, not programmed to ring [408 – 410] to receive the call by pressing the CO Line button	Enable (Allow)
110	Recall Key Mode	Mode1: Sends Recall signal time (Prog. Step 418) Mode2: Recall signal is sent while the button is pressed	Mode 1
111	Hold Music Selection External Music / Tone	Assigns External Music or Tone (Beep)	External Music
112	DSS Console Indication Mode (for FWD / DND)	Assigns if an extension set as FWD/DND shows as a flashing button on the BLF/ DSS	Enable (Flashing)
115	Extension Ringing Pattern Selection	Sets Single / Double / Triple Ring Pattern	Single
116	Conference Pattern Selection	Set the max. number of parties in a conference	5 party (C-2 E-5)
117	Call Pick-up Tone	Confirmation tone sent when the Call Pickup feature is used	Enabled (Tone)
118	Pulse Restriction	Enables / Disables pulses being sent to the CO Line during a conversation (when Call Block is set in program step 401)	Enable
119	Redialling after Pulse / Tone conversion	Allows Redial to use tone dialling on a pulse CO Line if the call had used * and # to convert to Tone	Disable
120	Bell Frequency	Sets the Bell Frequency for an SLT device	25 Hz
121	Automatic Line Access Number	If set at '0' Operator call becomes '9'	Dial 9
122	Auto Rotation of Line Access	Auto rotation of CO lines seized	Disabled (no rotate)
123	Break Ratio	Sets the break ratio to CO lines	Mode 1 (66%)
124	SLT Ring Mode	Length of SLT Ring Cycle	Mode 2 (3 sec)
125	Call Barring Check for * , #	Assigns if * and # are checked by the COS program	Enable (Check)
126	DSS Off-Hook Mode	Making Intercom call by pressing DSS key	Enable
202	Call Forward Start Time	Call FWD no answer timer Options : 5 / 10 / 15 / 20 secs	15 secs
203	Pickup Dial Delay Time (Hot Telephone)	Auto Dial time delay Options : 1 / 2 / 3 / 4 secs	3 secs
206	Dial Start Time	Time between seizing a CO Line and digits being sent Range : 0 ~ 1500 milliseconds	0 mS
207	Recall Timing Range	Sets the Range for Extensions - SLT	Mode 1 (50 ~ 180 mS)
208	Interdigit Time	Maximum time allowed between digits when dialling out. Options : 5 / 10 / 15 secs	20 secs (Prior to disconnection)
210	DTMF Time	Assigns the minimum duration	Mode 1 (80 mS)

NEW Programming Steps

(with reference to the KX-T30810 / 61610)

Step	Program Title	Feature Description	Default
211	No Dial Disconnection	Call disconnects if 1st Digit is not dialled within 20 seconds of seizing a CO Line	Enable (disconnect)
212	CO Line Duration Limit	Sets maximum CO call time (Enabled Prog 613)	10 mins
213	Bell Off Detection	Sets the wait time between bell signals from CO line	3 secs
301	Call Barring – System Speed Dial Boundary Class	Assigns the call barring class for System Speed Dial Numbers	Class 1
309	Emergency Dial Number Set	Stored 'Emergency' telephone numbers override the following : 'COS Level' / 'Account Code Modes' / 'Electronic Extension Lock'	Locations 01 : 999 02 : 112 03 ~ 05 : Not stored
310	Account Codes	Assigns Account Codes for 'Verify - All' mode	01 ~ 24 : Not stored i.e. 01 : 1234
311	Automatic Pause Insertion Codes	40 codes can be assigned as Pause Codes. Pause [duration prog. step 417] is inserted after the code	01 ~ 40 : Not Stored i.e. 01 : 1234567
312	Call Barring – Extension Lock	COS level applied to Locked Extensions Options : COS Levels 2 / 3 / 4 / 5 / Disabled	Disabled
400	CO Line Connected Assignment	Defines connected CO's	CO 1 ~ 6 : Connected
402	Pulse Speed Selection	Sets CO Line 'Pulse Speed' Options : 10 / 20 pps	10 pps
404	CO Line Group Assignment	Trunk Group assignment of CO's	CO 1 : Trunk Group 1 through to CO 6 : Trunk Group 6
414 to 416	Outside Line Mode (Day / Night / Lunch)	NORMAL : Follows programming steps 408 ~ 410 DIL : Assigns one ext. to receive I/C CO call (must be used if Call FWD is required) DISA1 : The caller will hear a Tone or OGM DISA2 : The caller will hear two different OGM UCD : Call will be rec'd via UCD function	NORMAL
417	Pause Time	Assigns the Host PBX pause time	1.5 secs
421	CPC Detection for Outgoing Calls	Enables CPC detection during an outside call. If CPC is detected, the system disconnects the line (disconnection time Program Step 420)	Disable
423	CO Line Ringing Pattern Selection	Incoming CO Line ringing pattern Options : Single / Double / Triple Ring	Double
424	Reverse (Polarity) Check	Detects CO Line reversal	Disabled
500	DISA Incoming Dialling Mode Selection - Auto Attendant	Without AA System accepts : Ext. / Access No. With AA System accepts : Ext. / Access / AA No.	Without AA
501	DISA Built-in Auto Attendant	Assigns Auto Attendant numbers '0 ~ 9' to extension jacks	0 ~ 9 : Not stored i.e. 0 : Jack 01
502	OGM Mode Selection (KX-TA 62491 required)	Mode 1 ~ 6 DISA or UCD functions can be used to receive IC calls	Mode 1
503	FAX Connection (KX-TA 62491 required)	Assigns an extension to receive FAX calls when CNG is detected	All Jacks : Disabled
504	DISA Delayed Answer Time	Assigns delay in DISA answering a call Options : 0 / 3 / 6 / 12 secs	3 secs
505	DISA Waiting Time after OGM	Selects time the system waits for DTMF or CNG tone after OGM played Options : 0 / 5 / 10 / 15 secs	5 secs
506	DISA Busy Mode	Sets DISA response to a dialled busy extensions Options : Call waiting / Disconnect / play OGM 2	Disconnect
507	DISA Intercept Mode Disconnect / Intercept	Sets DISA response to unanswered calls Options : Disconnect / Intercept	Intercept
508	DISA Ring Time before Intercept	Sets DISA Intercept time for unanswered calls Options : 10 / 20 / 30 / 40 / 60 / 120secs	20 secs
509	DISA Ring time After Intercept	Sets the ring time at the Intercept destination Options : 10 / 20 / 30 / 40 / 60 / 120secs	20 secs
510	DISA No Dial Mode	Selects action taken by DISA if no response is received after OGM (e.g. DTMF or CNG) Options : Intercept / Disconnect	DISA1 : Intercept DISA2 : Intercept
513	Cyclic Tone Detection (OGM option KX-TA62491 required)	Sets the number of times Cyclic Tone has to be detected before the system regards the call as complete Options : Disable (does not detect) / 2 / 3 / 4 times	4 times

Step	Program Title	Feature Description	Default
514	Fax Tone Detection (KX-TA62491 option required)	Sets the number of times the FAX / CNG tone has to be detected Options : 1 / 2 Times	1 Time
515	Intercept Time for Internal DISA	Sets intercept time for an internal DISA call Options : 3 / 6 / 9 secs	3 secs
516	DISA Incoming Assignment	Assigns which extensions can receive DISA calls	All jacks : Enable (accept)
517	DISA AA Wait Time	Sets AA second digit wait time If no digit received within this time call is routed by program step 501. Options : 1 / 2 / 3 / 4 / 5 secs	2 secs
519	DISA Mute Time	Assigns the wait time after answering	0 secs
520	UCD Group	Assigns the Extension Group for UCD	Group 1
521	UCD Busy Waiting Time	Assigns the Time the UCD holds an IC call	10 min
522	UCD OGM Message Interval Time	Assigns the Time between messages	1 min
523	UCD Busy Mode	Assigns the operation after [521] Timer expires	Intercept
524	UCD Intercept Time	Assigns the operation when [525] Timer expires	Intercept
525	UCD Ring Time before Intercept	Assigns the UCD Extensions No Answer time	20 secs
526	UCD Ring Time after Intercept	Assigns the Ring time after intercept	20 secs
600	Extension Groups	Sets Extension groups (used for Hunting)	All jacks : Group 1
604	Extension Name Setting	Assigns a name to an extension	Not stored
605	Account Code Entry Mode Option / Forced / Verify - All Verify – Toll	Selects the Account code input mode Optional/Forced/Verify – All : Set if code must be used Verify – Toll : Temporarily changes COS to level 2	Option
606	Call Transfer to CO Line	Permits call transfer to a CO Line	All jacks : Disabled
607	Call Forward To CO Line	Permits calls to be forwarded to a CO Line	All jacks : Disabled
608	Executive Busy Override	Allows a call to barge an established call	All jacks : Disabled
609	Do Not Disturb Override	Permits the Do Not Disturb Override function	All jacks : Disabled
610	Parallel Connection	Permits an SLT to be connected in parallel with a Proprietary Telephone	All jacks : Disabled
611	TAM Extension (Telephone Answering Machine)	Assigns TAM extension Allows Call Retrieval feature	All jacks : Disabled
612	Room Monitor Assignment	Assigns which jacks can be monitored by another proprietary telephone	All jacks : Disabled
613	Exchange Line Duration Limit	Limits the max. time for Extensions	Disabled
614	Internal Pulse Detection	Disables Pulse Detection from Extensions	Enabled
615	LCD Language Assignment	Set the LCD Display language	All jacks : English
706	Doorphone Ringing Tone / Pattern	Doorphone ringing pattern Options : Single / Double / Triple Ring	Triple
707	Doorphone Access Tone Selection	Assigns if a tone is sent to the Doorphone when it is monitored	Doorphones 1 ~ 4 : Enable (send tone)
708	Doorphone Ring Time	Doorphone ringing time Options : 15 / 30 secs	15 secs
709	Door Opener Time	Door unlocked time Options : 1 / 2 / 3 / 4 / 5 / 6 / 7 / 8 secs	Doorphones 1 ~ 4 : 5 secs
803	Secret Speed Dialling / One Touch Dial Printing	Enables or disables SMDR printout for these numbers	No printing
804	System Data Dump	Outputs all System Data to SMDR	
805	SMDR Account Code Selection	Sets SMDR Account Code printout CODE : Account code INDEX : The two digit account code location	CODE
806	SMDR Language Selection	Set SMDR Language	English
998	ROM Version	Confirms the System ROM version	No Default