

*Section 5*  
*Appendix*

## 5.1 *Default Values*

<b>Address</b>	<b>Program</b>	<b>Default</b>
[000]	Date and Time Setting	'98 Jan. 1 Thu 12:00 AM
[001]	System Speed Dialling Entry	All speed dialling numbers – Not stored
[002]	System Password	1234
[003]	DSS Console Port Assignment	All DSS Consoles — Disable
[004]	Paired Telephone Assignment for DSS Console	DSS1 – Disable, DSS2 – Disable
[005]	One-Touch Transfer Using a DSS Button	With Transfer
[006]	Time (Day/Night/Lunch) Service Changing Mode	Manual
[007]	Time (Day/Night/Lunch) Service Start Time	Every day of the week — Day – 9:00 AM / Night – 5:30 PM / Lunch-S – None / Lunch-E – None
[008]	Operator Assignment	Jack-01
[009]	Extension Number Assignment	Port 01 through 24 = Extn. 201 through 224
[010]	LCD Time Display Selection	12 HOUR
[011]	System Speed Dialling Name Setting	All System Speed Dialling numbers – Not stored
[012]	Alternative Feature Numbering Plan	All codes — Not stored
[100]	Hunting Group Set	All extension groups — Disable
[101]	Hunting Type	All extension groups – Terminate
[102]	Voice Mail Port for KX-TVP100	All 4 extension ports — Disable
[103]	DTMF Integration for KX-TVP100	Disable
[104]	Hold Mode Selection	Hold-1
[105]	Conference Tone	Enable
[106]	External Paging Access Tone	Enable
[107]	DTMF Receiver Check	All DTMF receivers — Enable
[108]	Recall Mode for a Locked Extension	Disable
[109]	CO Indicator Assignment	Enable
[110]	Recall Key Mode	MODE 1
[111]	Hold Music Selection	External
[112]	DSS Console Indication Mode	Enable
[115]	Extension Ringing Pattern Selection	Single
[116]	Conference Pattern Selection	5-party C-2 E-5
[117]	Call Pickup Tone	Enable

## 5.1 *Default Values*

Address	Program	Default
[118]	Pulse Restriction	Enable
[119]	Redialling after Pulse to Tone Conversion	Disable
[120]	Bell Frequency	25 Hz
[121]	Automatic Exchange Line Access Number Selection	Dial 9
[122]	Automatic Rotation for Exchange Line Access	Disable
[123]	Break Ratio	MODE 1
[124]	SLT Ringing Mode Selection	MODE 2
[125]	Call Barring Check for * and #	Enable
[126]	DSS Off-Hook Mode	Enable
[127]	Pickup Group Set	All extension groups – Disable
[200]	Hold Recall Time	30 seconds
[201]	Transfer Recall Time	30 seconds
[202]	Call Forwarding Start Time	15 seconds delay
[203]	Pickup Dial Delay Time	3 seconds
[204]	Call Duration Count Start Time	10 seconds after dialling
[206]	Dialling Start Time	0 millisecond
[207]	Recall Timing Range Selection	MODE 1
[208]	Interdigit Time	20 seconds
[210]	DTMF Time	MODE 1
[211]	No Dial Disconnection	Enable
[212]	Exchange Line Duration Time Limit	10 minutes
[213]	Bell Off Detection	3 seconds
[300]	Carrier Excepted Code Assignment	All codes – Not stored
[301]	Call Barring — System Speed Dialling Boundary Class	Boundary Class-1
[302]–[305]	Call Barring — Classes 2 through 5 Denied Codes	All codes – Not stored
[306]	Call Barring — Exception Codes	All codes – Not stored
[309]	Emergency Dial Number Set	Code-01 = 999, Code-02 = 112, Other codes = Not stored
[310]	Account Codes	All codes – Not stored
[311]	Automatic Pause Insertion Codes	All codes – Not stored

## 5.1 *Default Values*

<b>Address</b>	<b>Program</b>	<b>Default</b>
[312]	Call Barring — Extension Lock Boundary Class	Disable
[350]	ARS Selection	All exchange lines – Disable
[351]-[354]	Routes 1 through 4 Selection Codes (Leading Digits)	All codes – Not stored
[355]-[358]	Routes 1 through 4 Exception Codes	All codes – Not stored
[359]	1st Carrier Selection Code (BT Line Access Code)	121 (British Telecom Line access code)
[360]	ARS Modification — Removed Digits	All routes – 0 (No deletion)
[361]	ARS Modification — Added Number	Route 1 = 131, Other routes = Not stored
[362]	ARS Dial Tone Pattern Selection	Tone 1
[363]	ARS Interdigit Time	5 seconds
[364]	ARS Trunk Group	All routes – * (All trunk (TRK) groups)
[381]-[384]	Routes 1 through 4 Authorisation Codes	All exchange lines – Not stored
[385]-[388]	Routes 1 through 4 Itemised Bill	All exchange lines – Disable
[389]	Itemised Bill Code Assignment	Extension ports 01 through 24 – 201 through 224
[400]	Exchange Line Connection Assignment	All exchange lines – Connect
[401]	Dial Mode	All exchange lines – DTMF Mode
[402]	Pulse Speed Selection	All exchange lines – Low Speed
[403]	Host PBX Access Codes	All exchange lines – Not stored
[404]	Trunk Group Assignment	CO1 — TRK GRP-1; CO2 — TRK GRP-2; CO3 — TRK GRP-3; CO4 — TRK GRP-4; CO5 — TRK GRP-5; CO6 — TRK GRP-6;
[405]-[407]	Flexible Outward Dialling Assignment — Day/Night/Lunch	All exchange lines – all extension ports – Enable — Day/Night/Lunch
[408]-[410]	Flexible Ringing Assignment — Day/Night/Lunch	All exchange lines – all extension ports – Enable — Day/Night/Lunch
[411]-[413]	Delayed Ringing Assignment — Day/Night/Lunch	All exchange lines – all extension ports – Immdtly — Day/Night/Lunch
[414]-[416]	Exchange Line Mode — Day/Night/Lunch	All exchange lines — Normal — Day/Night/Lunch
[417]	Pause Time	All exchange lines — 1.5 seconds
[418]	Recall Time	All exchange lines – 100 milliseconds
[419]	Automatic Designated Exchange Line Access	All exchange lines — Enable

## 5.1 *Default Values*

<b>Address</b>	<b>Program</b>	<b>Default</b>
[420]	Calling Party Control (CPC) Signal	All exchange lines – 00 (Disable)
[421]	CPC Detection for Outgoing Calls	All exchange lines – Disable
[422]	Disconnect Time	All exchange lines – 2.0 seconds
[423]	Exchange Line Ringing Pattern Selection	All exchange lines – Double
[424]	Reverse (Polarity) Circuit Assignment	All exchange lines – Disable
[500]	DISA Incoming Dialling Mode Selection	Without AA
[501]	DISA Built-in Auto Attendant	All numbers — Not Stored
[502]	OGM Mode Selection	MODE 1
[503]	FAX Connection	Disable
[504]	DISA Delayed Answer Time	3 seconds
[505]	DISA Waiting Time after OGM	5 seconds
[506]	DISA Busy Mode	Disconnect
[507]	DISA Intercept Mode	Intercept
[508]	DISA Ringing Time before Intercept	20 seconds
[509]	DISA Ringing Time after Intercept	20 seconds
[510]	DISA No Dial Mode	DISA1 and DISA2 — Intercept
[513]	Cyclic Tone Detection	4 Times
[514]	Fax Tone Detection	1 Time
[515]	Intercept Time for Internal DISA	3 seconds
[516]	DISA Incoming Assignment	All extension ports — Enable
[517]	DISA AA Wait Time	2 seconds
[519]	DISA OGM Mute Time	0 second
[520]	UCD Group	Group – 1
[521]	UCD Busy Waiting Time	10 minutes
[522]	UCD OGM Message Interval Time	1 minute
[523]	UCD Busy Mode	Intercept
[524]	UCD Intercept Mode	Intercept
[525]	UCD Ringing Time before Intercept	20 seconds
[526]	UCD Ringing Time after Intercept	20 seconds
[600]	Extension Group Assignment	All extension ports — EXT GRP-1
[601]–[603]	Call Barring – Class of Service Assignment — Day/Night/Lunch	All extension ports — COS-1 — Day/Night/Lunch

## 5.1 *Default Values*

<b>Address</b>	<b>Program</b>	<b>Default</b>
[604]	Extension Name Setting	All extension ports – Not stored
[605]	Account Code Entry Mode	All extension ports – Option
[606]	Call Transfer to an Exchange Line	All extension ports – Disable
[607]	Call Forwarding to an Exchange Line	All extension ports – Disable
[608]	Executive Busy Override	All extension ports – Disable
[609]	Do Not Disturb Override	All extension ports – Disable
[610]	Paralleled Telephone Connection	All extension ports – Disable
[611]	TAM (Telephone Answering Machine) Extension	All extension ports – Disable
[612]	Room Monitor Assignment	All extension ports – Disable
[613]	Exchange Line Duration Time Limit Selection	All extension ports – Disable
[614]	Internal Pulse Detection	All extension ports – Enable
[615]	LCD Language Assignment	All extension ports – English
[700]–[702]	Doorphone Ringing Assignment — Day/Night/Lunch	All doorphones — all extension ports – Enable — Day/Night/Lunch
[703]–[705]	Door Opener Assignment — Day/Night/Lunch	All door openers – all extension ports – Disable — Day/Night/Lunch
[706]	Doorphone Ringing/Tone Pattern Selection	All doorphones — Triple
[707]	Doorphone Access Tone Selection	All doorphones — Enable
[708]	Doorphone Ringing Time	All doorphones — 15 seconds
[709]	Door Opener Time	All door openers — 5 seconds
[800]	SMDR RS-232C Communication Parameters	New line code = CR+LF; Baud rate = 9600; Word length = 8; Parity = Mark; Stop bit = 1
[801]	SMDR Parameter	Page length – 66; Skip perforation – 0
[802]	Incoming/Outgoing Call Selection for Printing	Outgoing calls – On; Incoming calls – On
[803]	Secret Speed Dialling/One Touch Dialling Printing	No printing
[805]	SMDR Account Code Selection	CODE
[806]	SMDR Language Assignment	English

## 5.2 Specifications

System Capacity	Exchange Lines: 3 max. (6 max. with 3-CO Line & 8 Ext Expansion Card) Extensions : 8 max. (24 max. with 3-CO Line & 8 Ext Expansion Card and 8 SLT Extension Expansion Card)
Control Method	CPU: 16 bit CPU Control ROM: 4 Mbit, Control RAM: 1 Mbit
Switching	Space Division CMOS Crosspoint Switch
Power Supplies	Primary: 230 V AC – 240 V AC, 50 Hz (0.5 A) Secondary: Circuit Volt (+5 V, +26 V)
Dialling	Dial Pulse (DP): 10 pps, 20 pps Tone (DTMF) Dialling, DTMF–DP
Intercom Paths	4
Connector	Exchange Lines : 2-pin Modular Connector (RJ11) Extensions/Doorphone: 4-pin Modular Connector Pager/Music Source : EIAJ RC-6701 A plug (two-conductor, $\varnothing$ 3.5 mm in diameter)
Extension Connection Cable	KX-T7020 / KX-T7130 / KX-T7050 . . . . . 2 pair wire (A, B, H, L) Single Line Telephones . . . . . 1 pair wire (A, B)
SMDR (Station Message Detail Recording)	Interface : Serial Interface (RS-232C) (D-SUB, 9-pin) Output Equipment: Printer Detail Recording : Date, Time, Extension Number, Exchange Line Number, Dialed Number, Call Duration, Account Code
Extension Loop Limit	KX-T7020 / KX-T7130 / KX-T7050 . . . . . 40 $\Omega$ Single Line Telephones . . . . . 600 $\Omega$ including set Doorphones . . . . . 20 $\Omega$
Minimum Leakage Resistance	15 000 $\Omega$
Maximum Number of Extension Instruments per Line	1 for a KX-T7020 / KX-T7130 / KX-T7050 or single line telephone 2 for by parallel connection of a proprietary telephone and a single line telephone
Ring Voltage	80 Vrms at 25 Hz depending on the Ringing Load
Local Exchange Loop Limit	1 600 $\Omega$ max.
Environmental Requirements	0 °C – 40 °C, 10 % – 90% relative humidity
Recall Timing Range	80 ms – 1 000 ms
Ability To Recognise Further Digits	The KX-TA624 is capable of accepting and acting upon routing information received from a proprietary telephone for 10 seconds, after the latest routing information has been received. (Satisfies BS6450:Part 1 1993 Clause 13.5.)

## 5.2 Specifications

Maximum associated cable loss for EXTN. port	PT: Max cable loss 0.34 dB (140 m max for ø 0.5 mm) SLT: Max cable loss 0.87 dB (698 m max for ø 0.5 mm)
Port to port loss	Loss across switch, PAS → 1AS Loss=1.13 dB (Not through-fed system)
Send and receive loudness ratings on port to port basis	Send loudness rating (1AS → PAS) : +3dB (0km) Receive loudness rating (PAS → 1AS) : -6 dB (0km)
Extension (1AS) port	3 ringers can be supported with extension wiring up to 698 m. <b>Notes</b> <ul style="list-style-type: none"> <li>• Extension ports 01 through 24 may be used for off premise extensions in which case cabling would be required by BS 6701:Part 1 1986 to be equipped with over voltage protection.</li> <li>• When using separately approved extension telephones, the best overall performance of the PBX system will be obtained by using extension telephones of impedance class A clause 4.3.2.1. of BS 6305:1982.</li> </ul>

### Port Type Classification

Port Name	Brief Description	Port Type
Extn. Port**	Connect to PT, SLT	1 AS
PSTN Port**	Connect to Network	PAS
Paging Port (output)*	External Paging	4F
Ext. Music Port (input)*	External Music	4F
Doorphone Port*	Connect to KX-T30865	4E
Door Opener Port	Door Opener	4F
EIA (RS-232C) Port	Connect to PC, Printer	4E

\* These ports do not respond to address signalling.

\*\* These ports provide DTMF and Loop Disconnect Signalling.

### Port Types between which Call Paths can be established

From \ To	Extn.	PSTN	Paging	Ext. Music	Door-Phone	Door Opener	EIA (RS-232C)
Extn.	A	A	A	X	A	X	X
PSTN	A	A	X	X	X	X	X
Paging	X	X	X	X	X	X	X
Ext. Music	A	A	A	N/A	X	X	X
Doorphone	A	X	X	X	N/A	X	X
Door Opener	X	X	X	X	X	N/A	X
EIA (RS-232C)	X	X	X	X	X	X	N/A

A: Allowed X: Not allowed N/A: Not applicable.



## 5.2 *Specifications*

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### *Lines, Cards, Extension Equipment*

<b>Item</b>	<b>Max. Quantity</b>
Service Units	1
Exchange lines	6
Extension ports	24
Extension Terminals	40
3-CO Line and 8 Ext Expansion Card	1
8 SLT Extension Expansion Card	1
OGM/FAX Detection Card	1
Doorphone/Door Opener Card	1
Doorphones	4
Door Openers	4
External Pager	1
External Music Source	1
DSS Consoles	2

### *System Data*

<b>Item</b>	<b>Max. Quantity</b>
Operator	1
System Speed Dialling	100
One Touch Dialling	24 per extension (Proprietary telephone)
Personal Speed Dialling	10 per extension
Call Park areas	10
Absent Messages	6
Call Barring Classes	5
Extension Groups	8
Message Waitings	8 per extension

