Strata® DK

Digital Business Telephone Solutions

System Record Sheets

DK14

Software Release 3.1

DK40i

Software Release 4.1

DK424

Software Release 4.1
and ACD

Strata DK
General End User Information

The Strata DK Digital Business Telephone System is registered in accordance with the provisions of Part 68 of the Federal Communications Commission's Rules and Regulations.

FCC Requirements

Means of Connection: The Federal Communications Commission (FCC) has established rules which permit the Strata DK system to be connected directly to the telephone network. Connection points are provided by the telephone company—connections for this type of customer-provided equipment will not be provided on coin lines. Connections to party lines are subject to state tariffs.

Incidence of Harm: If the system is malfunctioning, it may also be disrupting the telephone network. The system should be disconnected until the problem can be determined and repaired. If this is not done, the telephone company may temporarily disconnect service. If possible, they will notify you in advance, but, if advance notice is not practical, you will be notified as soon as possible. You will be informed of your right to file a complaint with the FCC.

Service or Repair: For service or repair, contact your local Toshiba telecommunications distributor. To obtain the nearest Toshiba telecommunications distributor in your area, call Toshiba America Information Systems, Inc., Telecommunication Systems Division in Irvine, CA (949) 583-3700.

Telephone Network Compatibility: The telephone company may make changes in its facilities, equipment, operations, and procedures. If such changes affect the compatibility or use of the Strata DK system, the telephone company will notify you in advance to give you an opportunity to maintain uninterrupted service.

Notification of Telephone Company: Before connecting a Strata DK system to the telephone network, the telephone company may request the following:

1. Your telephone number.
2. FCC registration number:
   - Strata DK may be configured as a Key or Hybrid telephone system. The appropriate configuration for your system is dependent upon your operation of the system.
   - If the operation of your system is only manual selection of outgoing lines, it may be registered as a Key telephone system.
   - If your operation requires automatic selection of outgoing lines, such as dial access, Least Cost Routing, Pooled Line Buttons, etc., the system must be registered as a Hybrid telephone system. In addition to the above, certain features (tie Lines, Off-premises Stations, etc.) may also require Hybrid telephone system registration in some areas.
   - If you are unsure of your type of operation and/or the appropriate FCC registration number, contact your local Toshiba telecommunications distributor for assistance.
     DK14 and DK40i
     Key system: **CJ6MLA-74479-KF-E**
     Hybrid: **CJ6MLA-74478-MF-E**
     DK424
     Hybrid: **CJ69XA-10243-MF-E**
     Key system: **CJ69XA-10242-KF-E**
     PBX: **CJCHN-22757-PF-E**
3. Ringer equivalence number: 0.3B. The ringer equivalence number (REN) is useful to determine the quantity of devices which you may connect to your telephone line and still have all of those devices ring when your number is called. In most areas, but not all, the sum of the RENs of all devices connected to one line should not exceed five (5.0B). To be certain of the number of devices you may connect to your line, as determined by the REN, you should contact your local telephone company to ascertain the maximum REN for your calling area.
4. Network connection information USOC jack required: RJ1CX, RJ2EX, RJ2GX, RJ48C, RJ48X, RJ11, RJ14C, RJ21X (see Network Requirements in this document). Items 2, 3 and 4 are also indicated on the equipment label.

Radio Frequency Interference

Warning: This equipment generates, uses, and can radiate radio frequency energy and if not installed and used in accordance with the manufacturer's instruction manual, may cause interference to radio communications. It has been tested and found to comply with the limits for a Class A computing device pursuant to Subpart J of Part 15 of FCC Rules, which are designed to provide reasonable protection against such interference when operated in a commercial environment. Operation of this equipment in a residential area is likely to cause interference, in which case, the user, at his/her own expense, will be required to take whatever measures may be required to correct the interference.

This system is listed with Underwriters Laboratory.

UL Requirement: If wiring from any telephone exits the building or is subject to lightning or other electrical surges, then secondary protection is required. Secondary protection is also required on DID, OPS, and tie lines. (Additional information is provided in this manual.)

LISTED
UL
49L7
E88891

Important Notice — Music-On-Hold

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CP01, Issue 8, Part I Section 14.1
Notice: The Industry Canada label identifies certified equipment. This certification means that the equipment meets certain telecommunications network protective, operational and safety requirements as prescribed in the appropriate Terminal Equipment Technical Requirements document(s). The Department does not guarantee the Equipment will operate to the user's satisfaction.

Before installing this equipment, users should ensure that it is permissible to be connected to the facilities of the local telecommunications company. The equipment must also be installed using an acceptable method of connection. The customer should be aware that compliance with the above conditions may not prevent degradation of service in some situations.

Repairs to certified equipment should be coordinated by a representative designated by the supplier. Any repairs or alterations made by the user to this equipment, or equipment malfunctions, may give the telecommunications company cause to request the user to disconnect the equipment.

Users should ensure for their own protection that the electrical ground connections of the power utility, telephone lines and internal metallic water pipe system, if present, are connected together. This precaution may be particularly important in rural areas.

CAUTION! Users should not attempt to make such connections themselves, but should contact the appropriate electric inspection authority, or electrician, as appropriate.

CP01, Issue 8, Part I Section 14.2
Notice: The Ringer Equivalence Number (REN) assigned to each terminal device provides an indication of the maximum number of terminals allowed to be connected to a telephone interface. The terminal on an interface may consist of any combination of devices subject only to the requirement that the sum of the Ringer Equivalence Numbers of all the Devices does not exceed 5.

Publication Information

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Further, Toshiba America Information Systems, Inc., Telecommunication Systems Division, also reserves the right, without prior notice, to make such changes in equipment design or components as engineering or manufacturing methods may warrant.

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Version C, October 1997
Version B, April 1997
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Version A, December 1996

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Telecommunication Systems Division

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Introduction

These record sheets enable you to program the Strata DK14, DK40i, and DK424 digital business telephone systems. They are intended for qualified service technicians and system programmers. At the time of this printing, this book contains Release 4.1 information for the DK424. It also contains some pre-release information for software beyond Release 4.1.

Important! *Information beyond Release 4.1 is preliminary and given prior to product release. Be careful when using this information as the software will change and updates/ additions will be required upon final release.*

Record sheets and detailed information about each program can be found in the *Strata DK Programming Manual*. The DK Installation and Maintenance Manual also contains useful information. Both of these books can also be found on the Strata DK Library CD-ROM.

Organization

This manual is organized as follows for your convenience:

- **Chapter 1 – Initialization & Test** includes information for initializing and test programs.
- **Chapter 2 – System & Station** includes programming information for the entire system and individual stations.
- **Chapter 3 – Toll Restriction** includes programming information for Toll Restriction.
- **Chapter 4 – Least Cost Routing** includes programming information for Least Cost Routing.
- **Chapter 5 – Automatic Call Distribution** includes ACD programming for DK424 (ACD does not apply to the RCTUA processor).
- **Chapter 6 – ISDN** includes programming instructions and record sheets for Integrated Systems Digital Networking features for the DK424 and DK40i.
- **Chapter 7 – E911** includes programming information for connecting the DK424 to Enhanced 911 CAMA trunks.

The programs in each chapter are given in numerical order (except Initialization and Test which is given in order of importance). The "*" programs are located behind the program of the same name (e.g., Program *09 follows Program 09).

Conventions

Conventions	Description
Note	Elaborates specific items or references other information. Within some tables, general notes apply to the entire table and numbered notes apply to specific items.
Important!	Calls attention to important instructions or information.
CAUTION!	Advises you that hardware, software applications, or data could be damaged if the instructions are not followed closely.
WARNING!	Alerts you when the given task could cause personal injury or death.
[DN]	Represents any Directory Number button, also known as an extension or intercom number.
[PDN]	Represents any Primary Directory Number button (the extension number for the telephone).
[SDN]	Represents any Secondary appearance of a PDN. A PDN which appears on another telephone is considered an SDN.
[PhDN]	Represents any Phantom Directory Number button (an additional DN).
Arial Bold	Represents telephone buttons.
Courier	Shows a computer keyboard entry or screen display.
"Type"	Indicates entry of a string of text.
"Press"	Indicates entry of a single key. For example: Type **prog** then press **Enter**.
Plus (+)	Shows a multiple PC keyboard or phone button entry. Entries without spaces between them show a simultaneous entry. Example: **Esc** + **Enter**. Entries with spaces between them show a sequential entry. Example: **#** + **5**.
Tilde (~)	Means "through." Example: 350 ~ 640 Hz frequency range.
➤	Denotes the step in a one-step procedure.
➤	Denotes a procedure.
	Used in a programming sequence to denote a variable LED button. A number on the black button represents a specific LED button.
• • •	Indicates continuation of a series of numbers entered.
See Figure 10	Grey words within the printed text denote cross-references. In the electronic version of this document (Library CD-ROM or FYI Internet download), cross-references appear in blue hypertext.

Related Documents/Media

Note Some documents listed here may appear in different versions on the CD-ROM, FYI or in print. To find the most current version, check the version/date in the Publication Information on the back of the document's title page.

The following documents and CD-ROMS can be used to reference further information about the Strata DK systems.

- **Digital Telephone User Guide** provides all the procedures necessary to operate Toshiba-proprietary digital telephones, including Liquid Crystal Display (LCD) features. It also includes instructions for using the add-on module/DSS console.
- **Digital Telephone Quick Reference Guide** provides a quick reference for frequently-used digital telephone features.
- **Digital Single Line Telephone User Guide** provides all the procedures necessary to operate Toshiba-proprietary digital single line telephones.
- **Electronic Telephone User Guide** explains all the procedures necessary to operate Toshiba-proprietary electronic telephones, including all LCD features. Does not apply to the Strata DK14 system. It also includes instructions for using the electronic DSS console.
- **Electronic Telephone Quick Reference Guide** provides a quick reference for frequently-used electronic telephone features. Does not apply to the Strata DK14 system.
- **Standard Telephone User Guide** explains all the procedures necessary to operate rotary dial and push-button standard telephones.
- **Strata AirLink External Wireless Handset User Guide** shows how to use the wireless handset configured to standard ports of the Strata DK telephone system and many non-Toshiba systems.
- **Strata AirLink External Wireless Quick Reference Guide** contains instructions for operation of commonly used Strata AirLink External Wireless Handset features.
- **Strata AirLink Integrated Wireless Handset User Guide** shows how to use the wireless handset configured to digital ports of the Strata DK telephone system.
- **Strata AirLink Integrated Wireless Quick Reference Guide** contains instructions for operation of commonly used Strata AirLink Integrated Wireless Handset features.
- **System Administrator Guide** gives instructions for the System Administrator to manage the system. Contains instructions for Station Relocation, System Speed Dial, and other features only activated by the System Administrator.
- **PC/Data Interface User Guide** explains all the procedures necessary to operate stand-alone data interface units while in the data mode for printer sharing and modem pooling. Also provides instructions on connecting to a Personal Computer with Telephone Application Programming Interface (TAPI).
- **Cordless Telephone User Guid**e provides instructions on using the DKT2004-CT cordless digital telephone as a single unit or in conjunction with a digital telephone.
- **PC-DKT User Guide** provides installation and operation information for the Personal Computer Digital Key Telephone system.
- **Strata DK Feature Description Manual** describes each feature associated with the Strata DK424, DK40i and DK14. Also provides descriptions of compatible Toshiba-proprietary telephones and peripherals.

- **Keyprint 2000 User Guide** provides instructions for the Keyprint 2000 software printing package which allows you to print and store custom button label keystrips for Strata DK 2000-series 10-button or 20-button digital telephones, 20-button add-on modules, and 60-button digital DSS consoles.
- **Strata DK Programming Manual** provides all instructions necessary to program the system and system record sheets, including ACD.
- **Strata DK Installation & Maintenance Manual** provides installation instructions for configuring and installing the Strata DK14, DK40i and DK424. It also includes T1/DS-1 interface installation and configuration instructions, as well as fault finding flowcharts to troubleshoot the systems. An ACD Section provides instructions for installing ACD into the Strata DK424.
- **Strata AirLink External Wireless System Installation Guide** provides step-by-step hardware and software installation instructions. It includes examples of system configurations, information on performing a site survey, and troubleshooting techniques.
- **Hospitality Management Information System (HMIS) General Description** provides an overall view of the system's hardware, software, applications and features. The HMIS is a PC-based solution, designed to meet the specific operational needs of small- to medium-sized hotel/motels and includes both the PC and software.
- **Hospitality Management Information System (HMIS) User Guide** describes the product's many software features and gives step-by-step instructions for using them.
- **Strata DK Library CD-ROM** enables you to view, print, navigate and search publications for Strata DK14, DK40 and DK424 digital business telephone systems. It also includes Strata DK424 ACD Documentation, including the *DK424 Call Center Solutions General Description, ACD Agent Guide, ACD Supervisor's Guide.* ACD Installation and Programming instructions are included in the *Strata DK Installation and Maintenance Manual* and *Programming Manual.*
- **Strata DK HMIS CD-ROM** contains a copy of all HMIS documentation/bulletins and enables you to view, print, navigate and search publications.
- **StrataControl CD-ROM** contains the StrataControl software, that enables viewing, downloading, editing, and uploading Strata DK programmed data on a PC. This software also provides a method of creating custom lists and user guides based on information from the Strata DK system.The CD-ROM contains the *StrataControl User Guide.*
- **DKQuote CD-ROM** contains the DKQuote application and the DKQuote User Guide, that shows how to use this interactive software to assist you with Strata DK Systems configuration and pricing worksheets.
- **DKAdmin/DKBackup CD-ROM** includes the programs that let you easily and quickly custom program and/or update the Strata DK14/DK40/DK424 with a user-friendly PC display. The CD-ROM also contains the *DKAdmin/DKBackup User Guide,* that explains how to use the DKAdmin/DKBackup interactive software applications. The current version does not work with DK40i.

The following documentation and media applies to the Strata DK424 system only.

- **Strata DK424 Call Center Solutions General Description** provides a system overview, including hardware and feature information. Highlights the technology employed in operating the ACD Strata DK424 system.
- **ACD Agent Guide** describes the ACD agent feature operation along with step-by-step procedures for using features.
- **ACD Supervisor Guide** provides instruction on how to use the ACD supervisor features.

- **Insight DK CD-ROM** which includes training, all Insight DK documentation, Insight DK software and the upgrade to Insight DK Plus, and Demo software.
- **Insight DK Installation Guide** explains how to set up the network, install the server software, install clients and explains how the data files are organized.
- **Insight DK Supervisor Guide** provides instructions for using the Strata DK Insight and Insight DK Plus MIS for the Supervisor of a call center. Instructions for creating and using Real Time Displays, Reports, Alarms, and Wallboards are also included.
- **Insight DK inView Quick Reference Guide** provides instructions for viewing and customizing the on-screen wallboard and large character views of the real time call center data.
- **PC Attendant Console User Guide** explains the procedures necessary to operate the PC Attendant Console.
- **PC Attendant Console Quick Reference Guide** provides a quick reference for frequently-used PC Attendant Console features.
- **Call Center Viewer User Guide** describes how to install and operate the Call Center Viewer application on a PC. It explains how to view and customize ACD group and agent status information.
- **Software MIS (SMIS) Supervisor Manual** provides descriptions, examples, and instructions on using the Software MIS application.

For authorized users, Internet site FYI (http://fyi.tsd.toshiba.com) contains all current Strata DK documentation and enables you to view, print, and download current publications.

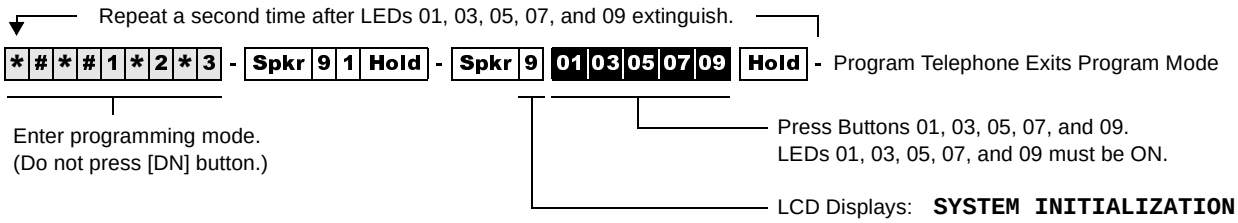
Initialization & Test 1

Program 91-9 – System Initialization

Processor Type: *DK14, DK40i, All RCTUs*

Program Type: *Initialization*

Initialized Default: *See individual programs*

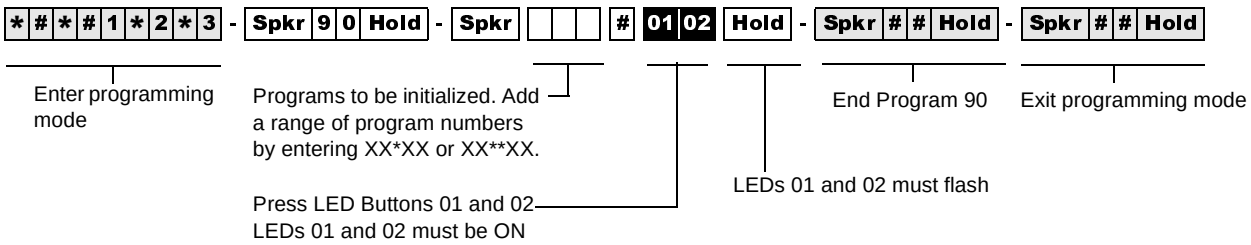


Program 90 – Initialize Programs 00~*99

Processor Type: *DK14, DK40i, All RCTUs*

Program Type: *Initialization*

Initialized Default: *See individual programs*

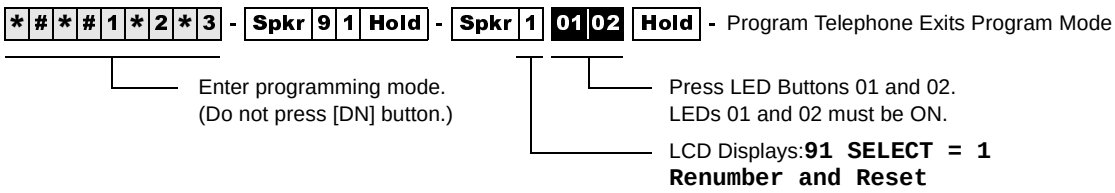


Program 91-1 – Automatic PCB Recognition and Port Renumber

Processor Type: *DK14, DK40i, All RCTUs*

Program Type: *Initialization*

Initialized Default: *None*

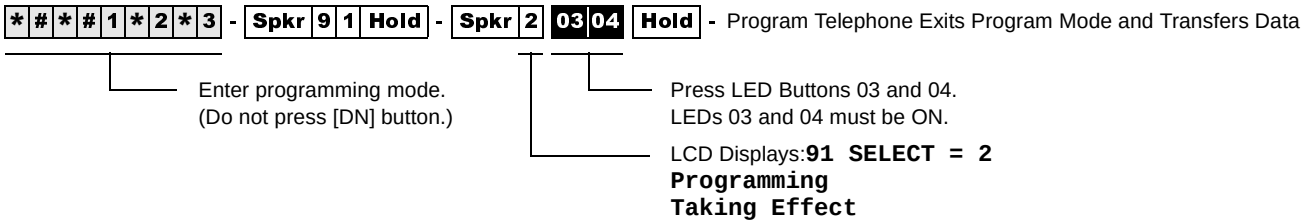


Program 91-2 – Data Transfer from Temporary Memory to Working Memory

Processor Type: *DK14, DK40i, All RCTUs*

Program Type: *Initialization*

Initialized Default: *See individual programs*

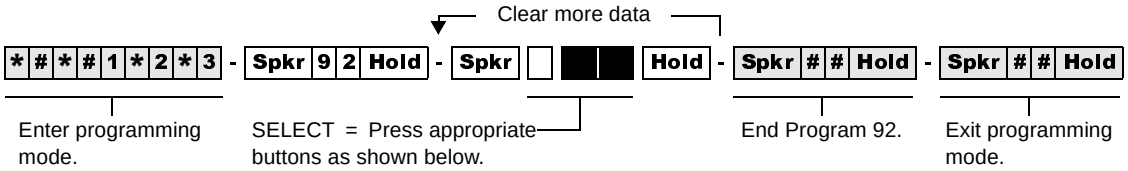


Program 92 – Initializing Misc. Backup RAM

Processor Type: *DK14, DK40i, All RCTUs*

Program Type: *Initialization - Includes: Initializing Speed Dial Number, VM ID Codes, Character Message Memory, Timed Reminders, Digital Telephone Volume, Called ID, ANI, and Call Forward Backup RAM*

Initialized Default: *See individual programs*



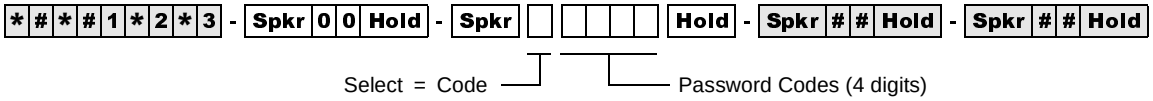
1	01 03		Clears Station Speed Dial, Voice Mail ID Codes, and LCD memos assigned to Station Speed Dial numbers.
2	01 04		Clears System Speed Dial and LCD memos assigned to System Speed Dial numbers.
3	02 03		Clears Character Message Memory (Station and System) and User Name/Number Display.
4	02 04		Clears Timed Reminders.
5	01 05		Resets digital telephone volume levels to initialized settings, specifically, speaker volume levels for Internal Calls [DN], Tone/BGM, Busy Override (muted ring), and Ring volume to approximately mid-range on all DKTs. Program 92-5 does not affect digital telephone handset receiver volume levels. Use Program 27 to set off-hook digital telephone handset receiver volume levels.
9	03 04	Hold	Power OFF 5 seconds; then Power ON	Clears Call Forward and Message Waiting Memory (all stations). Program 92-9 does not affect Call Forward External or Fixed Call Forward settings.

Program 00 – Part 1: Software Check

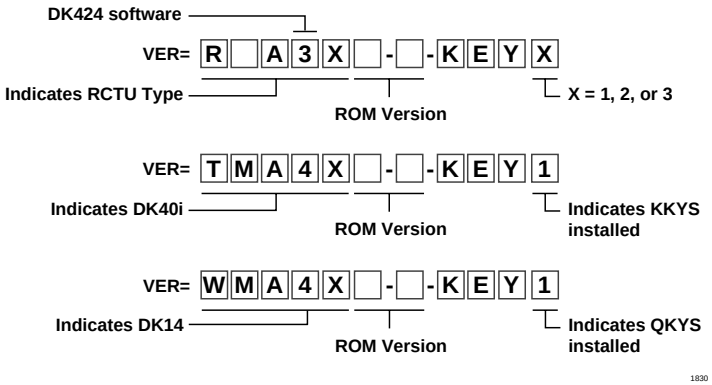
Processor Type: *DK14, DK40i, All RCTUs*

Program Type: *Test - Includes: Remote Maintenance Security Code Assignments*

Initialized Default: *None*



Select = Code	Item	Password or S/W Check Codes	LCD Display
0	ROM Version (not programmable)		**Version =**
1	1st Level Password		**Password =**
2	2nd Level Password		**Password =**
8	Software RAM Checksum (not programmable)		**Sum =**
9	Power Cycle Counter (not programmable)		**Counter =**



DKT LCD Display	RCTU Type
WMA4	DK14
TMA4	DK40i
RAA3X	RCTUA3
RBA3X	RCTUBA3/RCTUBB3
RCA3X	RCTUC3/D3
REA3X	RCTU E3/F3

Key Type	Description
KEY 1	AA: Indicates built-in Auto Attendant software (RKYS1, KKYS, or QKYS installed).
KEY 2	ACD: Indicates Automatic Call Distribution software and AA (RKYS2 installed).
KEY 3	ACD/MIS: Indicates Automatic Call Distribution, Management Information System Software, plus AA and ACD (RKYS3 installed).

Program 00 – Part 2: Processor RAM Test

Processor Type: *DK14, DK40i, All RCTUs*

Program Type: *Test - Includes: Remote Maintenance Security Code Assignments*

Initialized Default: *None*

General RAM Test

[*][#][*][#][1][*][2][*][3] - [Spkr][0][0][Hold] - [Spkr][5][1] [01][03] [Hold] - Tests RAM (15 seconds downtime)

Programming Telephone LCD Displays:
GENERAL RAM TEST

Display General RAM Test Results

[*][#][*][#][1][*][2][*][3] - [Spkr][0][0][Hold] - [Spkr][5][2] - Programming Telephone LCD Displays:

DK424

```
TEST 1 X=OK Y=OK
```

or...

```
TEST 1 X=NG Y=NG
X=00000  X=00000
```

DK14/DK40i

```
TEST 1 =OK
```

or...

```
TEST 1 =NG
```

Where:
X = RCTUA, RCTUBA, RCTUC
Y = RCTUD3, RCTUF
OK = RAM is good
NG = RAM is defective

An **X=NG** or **Y=NG** RAM test result indicates a defective RCTU PCB; change the appropriate (X or Y) RCTU PCB and retest RAM on the newly installed RCTU.

Replace the DK14 KSU or DK40i Base KSU if **Test 1=NG**.

Backup RAM Test

[*][#][*][#][1][*][2][*][3] - [Spkr][0][0][Hold] - [Spkr][6][1] - [02][04] - [Hold] - RCTU Tests RAM (15 seconds downtime)

Programming Telephone LCD Displays:
BACKUP RAM TEST

Display Backup RAM Test Results

[*][#][*][#][1][*][2][*][3] - [Spkr][0][0][Hold] - [Spkr][6][2] - Programming Telephone LCD Displays:

DK424

```
TEST 2 X=OK Y=OK
```

or...

```
TEST 2 X=NG Y=NG
X=00000  X=00000
```

DK14/DK40i

```
TEST 1 =OK
```

or...

```
TEST 2 =NG
```

Where:
X = RCTUA, RCTUBA, RCTUC
Y = RCTUD3, RCTUF
OK = RAM is good
NG = RAM is defective

An **X=NG** or **Y=NG** RAM test result indicates a defective RCTU PCB; change the appropriate (X or Y) RCTU PCB and retest RAM on the newly installed RCTU.

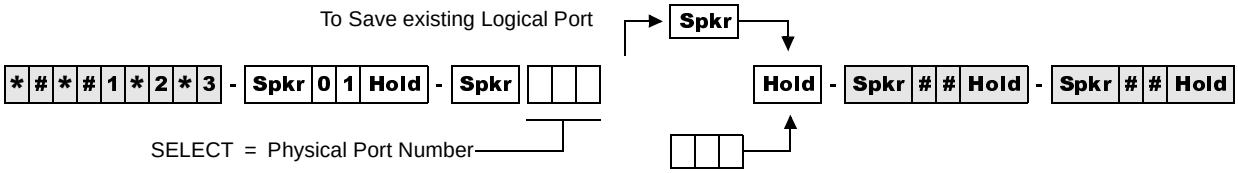
Replace the DK14 or DK40i Base KSU if **Test 1=NG**.

Program 01 – Station Logical Port Display and/or Change

Processor Type: *DK14, DK40i, All RCTUs*

Program Type: *Station*

Initialized Default: *Logical port number = physical port number*
Program 90, 91-1, or 91-9 initializes Program 01



Processor	[PDN] Port Range
DK14	000~009
DK40i	000~027
RCTUA	000~031

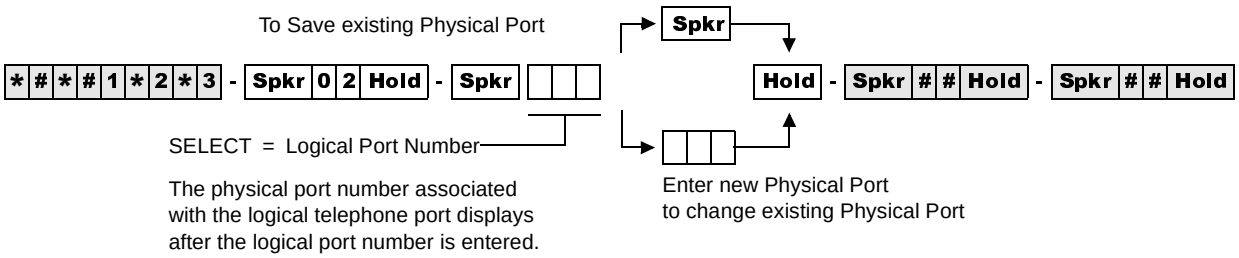
Processor	[PDN] Port Range
RCTUBA/BB	000~079
RCTUC/D	000~239
RCTUE/F	000~335

Program 02 – Station Physical Port Display and/or Change

Processor Type: *DK14, DK40i, All RCTUs*

Program Type: *Station*

Initialized Default: *Logical port number = physical port number*
Program 90, 91-1, or 91-9 initializes Program 02



Processor	[PDN] Port Range
DK14	000~009
DK40i	000~027
RCTUA	000~031

Processor	[PDN] Port Range
RCTUBA/BB	000~079
RCTUC/D	000~239
RCTUE/F	000~335

Program 03 for DK14 – Slot Assignments

When DK14 is powered ON, Program 03 automatically assigns the correct codes for installed PCBs. No record sheet is needed. Refer to the following table for PCB slot and slot code information:

DK14 Base KSU

	WMAU	DKU	COU and QCDU2	QSTU2	None
Slot Number	**00**	**11**	**12**	**13**	**14**
PCB Code	91 or 92	62	11	00 or 31	00
PCB Type	QRCU3				
Options		OCA/DIU			
Station Numbers		000~007		008~009	
CO Line Numbers			001~004		

Notes

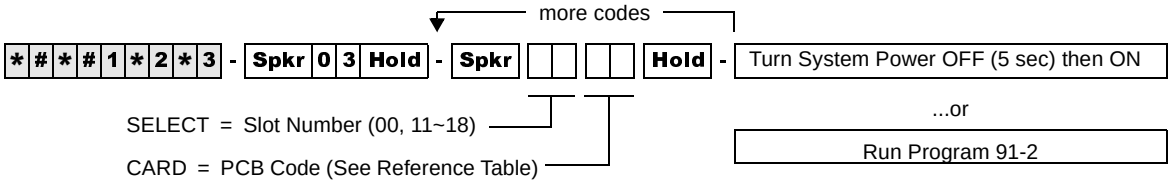
- In the DK14 software: QCDU2 digital ports are considered to be installed in slot 11. QCDU2 CO lines are considered to be installed in slot 12.
- opt=QRCU3
- opt=Always assigns 8 ports (000~007), digital ports (OCA/DIU). No DSS allowed.
- Always assigns 4 CO lines
- Always assigns 2 ports (008, 009) standard telephone ports

Program 03 for DK40i – Flexible PCB Slot Assignments

Processor Type: *DK40i*

Program Type: *System*

Initialized Default: *PCB codes of PCBs installed prior to running Program 91-1 or Program 91-9 Code 00 for empty slots (15~18), Base KSU has codes for PCBs*



DK40i Base KSU

	TMAU2	DKU	TBSU, TCOU or TDDU	KSTU2	TCIU2
Slot Number	**00**	**11**	**12**	**13**	**14**
PCB Code	91, 92 or 98	62 or 64	00, 11, 16, or 77	00 or 31	00 or 81
PCB Type					
Options					
Station/BRI Port Numbers					
CO/DID/BRI Line Numbers					

DK40i Expansion KSU

Cabinet Label	04	05	06	07
Slot Number	**15**	**16**	**17**	**18**
PCB Code				
PCB Type				
Options				
Station/BRI Port Numbers				
CO/Tie/DID/BRI Line Numbers				

PCB Code Reference Table

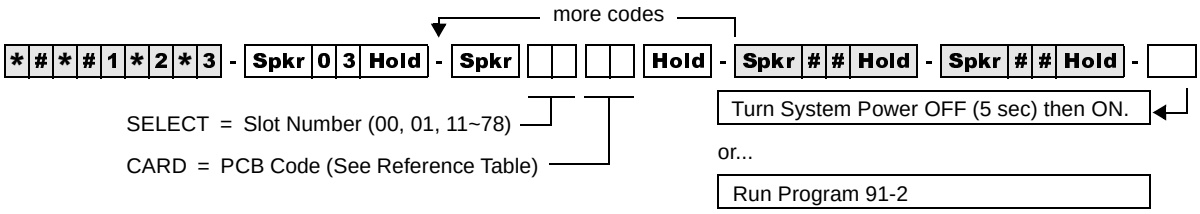
PCB Fixed Slot	Code	Ports/Type
Common Control	91	None
Common Control w/K4RCU3	92	4 DTMF/ABR
Common Control w/K5RCU or K5RCU2	98	5 DTMF/ABR
PIOU/PIOUS/RSSU/PEPU	41	None
PEKU	21	8 EKT
PEKU with EOCU	22	8 EKT
PEKU with DSS	23	8 EKT
PEKU with EOCU, DSS	24	8 EKT
PESU	25	2 SLT/4 EKT
PESU with EOCU	26	
KSTU2/RSTU2/Stratagy DK	31	4 SLT/8 SLT/ 8VM
TCOU/PCOU/RCOU/RGLU2	11	4/CO
RCOU + RCOS	17	8 Loop CO
Base Unit DKT CKTs, PDKU, and RWIU	61	8 DKT
Base Unit DKT CKTs & PDKU w/ DIU or SP-OCA	62	8 DKT
Base Unit DKT CKTs and PDKU with DSS (w/ or w/o DIU or SP-OCA)	64	8 DKT
KCDU	65	2/CO, 4 DKT
KCDU SP-OCA or DIU	66	2/CO, 4 DKT
RDSU (RSTS)	27	4 DKT/4 SLT
RDSU (RSTS) with DIU or SP-OCA	28	4 DKT/4 SLT
RDDU/TDDU	16	4 DID Lines
REMU	13	4 Tie Lines
RCIU2/RCIS/TCIU2	81	4 or 8 Caller ID
TBSU or RBSU	77	2 BRI S/T
RBSU/RBSS	78	4 BRI S/T
TSIU	No Code Required	
None	00	None

Program 03 for DK424 – Flexible PCB Cabinet Slot Assignments

Processor Type: *All RCTUs*

Program Type: *System*

Initialized Default: *PCB codes of PCBs installed prior to running Programs 91-1 or 91-9; Code 00 for empty slots*



DK424 Base Cabinet 1

Slot Number	00 (R11)	01 (RCTU)	S11	S12	S13	S14	S15	S16
PCB Code								
PCB Type								
Options								
Station/Tie/DID/ISDN Port Numbers								
CO/Tie/DID/ISDN Line Numbers								

DK424 Expansion Cabinet 2

Slot Number	S21	S22	S23	S24	S25	S26	S27	S28
PCB Code								
PCB Type								
Options								
Station/Tie/DID/ISDN Port Numbers								
CO/Tie/DID/ISDN Line Numbers								

DK424 Expansion Cabinet 3

Slot Number	S31	S32	S33	S34	S35	S36	S37	S38
PCB Code								
PCB Type								
Options								
Station/Tie/DID/ISDN Port Numbers								
CO/Tie/DID/ISDN Line Numbers								

DK424 Expansion Cabinet 4

Slot Number	S41	S42	S43	S44	S45	S46	S47	S48
PCB Code								
PCB Type								
Options								
Station/Tie/DID/ISDN Port Numbers								
CO/Tie/DID/ISDN Line Numbers								

DK424 Expansion Cabinet 5

Slot Number	S51	S52	S53	S54	S55	S56	S57	S58
PCB Code								
PCB Type								
Options								
Station/Tie/DID/ISDN Port Numbers								
CO/Tie/DID/ISDN Line Numbers								

DK424 Expansion Cabinet 6

Slot Number	S61	S62	S63	S64	S65	S66	S67	S68
PCB Code								
PCB Type								
Options								
Station/Tie/DID/ISDN Port Numbers								
CO/Tie/DID/ISDN Line Numbers								

DK424 Expansion Cabinet 7

Slot Number	S71	S72	S73	S74	S75	S76	S77	S78
PCB Code								
PCB Type								
Options								
Station/Tie/DID/ISDN Port Numbers								
CO/Tie/DID/ISDN Line Numbers								

DK424 PCB Codes

PCB	Code	Ports/Type
RCOU, RGLU2	11	4 Gnd./Loop Lines
RCOU/RCOS	17	8 Loop CO Lines
RDDU	16	4 DID Lines/4 Stations
REMU	13	4 Tie Lines/4 Stations
PEKU	21	8 Stations
PEKU (EOCU)	22	8 Stations
PEKU w/DSS	23	8 Stations
PEKU (DSS, EOCU)	24	8 Stations
PESU	25	6 Stations
PESU (OCA)	26	6 Stations
RDSU/RSTS	27	8 Stations
RDSU/RSTS (OCA, DIU)	28	8 Stations
RSTU2	31	8 Stations
PIOU, PIOUS/ RSSU, PEPU	41	Remote Maintenance (TTY)
PIOU/PIOUS/RSSU	42	MIS for ACD (TTY)
PIOU/PIOUS/RSSU	43	SMDI VM Interface (TTY)
PDKU2, RWIU	61	8 Stations
PDKU2 (OCA, DIU)	62	8 Stations
PDKU2 (DSS, OCA, DIU)	64	8 Stations

PCB	Code	Ports/Type
RDTU	71	8 T1 Channels
RDTU	72	16 T1 Channels
RDTU	73	24 T1-channels
RCTU	91	None
RCTU (with 4-CKT RRCS)	92	None
RCTU (with 8-CKT RRCS)	93	None
RCTU (with 12-CKT RRCS)	94	None
NONE	00	00
RATU	51	4 Stations
RSIU	49	I/O Interface
RCIU2/RCIS	81	8 CKT, Caller ID
Stratagy DK	31	8 VM Ports
RBUU without RBUS	75	2 U Interfaces (4 stations/4 CO lines)
RBUU with RBUS	76	4 U Interfaces (8 stations/8 CO lines)
RBSU without RBSS	77	2 S/T Interfaces (4 stations/4 CO lines)
RBSU with RBSS	78	4 S/T Interfaces (8 stations/8 CO lines)
RPTU Interface Card	79	PRI Interface (24 CO lines)

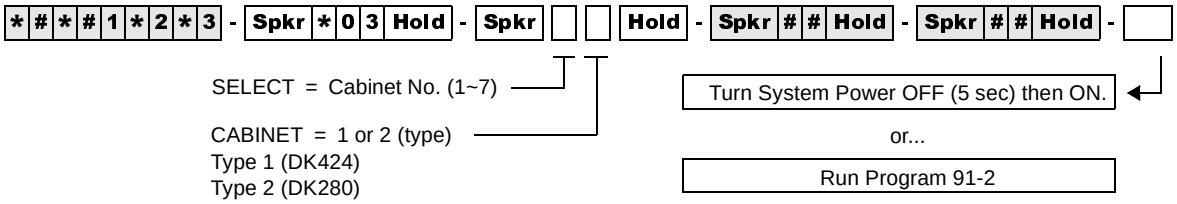
See the following text for specific installation rules on the above PCBs.

Program *03 for DK424 – Cabinet Type Identification

Processor Type: *RCTUE/F only*

Program Type: *System*

Initialized Default: *All cabinets = 1*



SELECT = (Cabinet No. 1~7)	Cabinet Type (1 or 2)
1 (Base)	
2 (1st Expansion)	
3 (2nd Expansion)	
4 (3rd Expansion)	
5 (4th Expansion)	
6 (5th Expansion)	
7 (6th Expansion)	1 only

Expansion Cabinet Universal PCB Slot Availability

Case 1
RCTUE/F in DK424 Base Cabinet with MBJU removed

Expansion Cabinet (max 6)	Universal PCB Slots
DK424	1~8 available
DK280	1~6 available

Case 2
RCTUE/F in DK280 Base Cabinet

Expansion Cabinet (max 5)	Universal PCB Slots
DK424	1~6 available
DK280	1~6 available

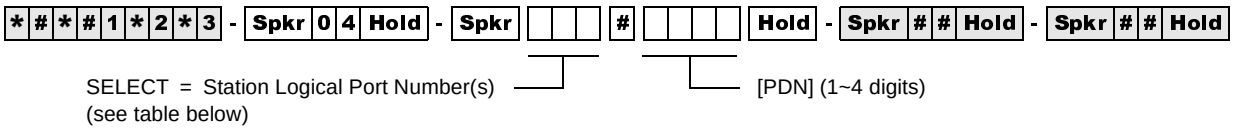
Program 04 – Station Logical Port [PDN] Assignment

Processor Type: *DK14, DK40i, All RCTUs*

Program Type: *Station*

Initialized Default: *See [PDNs] in the record sheets*

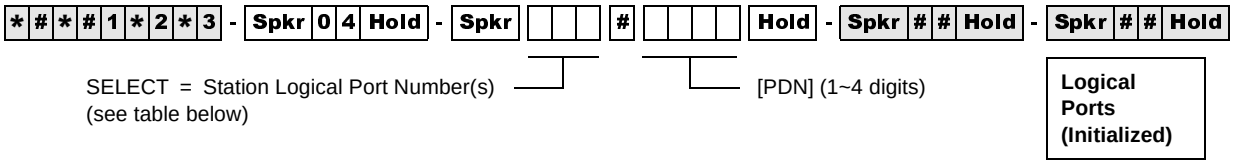
DK14 Record Sheet



Physical Ports	Modular Jack Location Record	Logical Ports	[PDNs] (Initialized)	Port Type for Different Base Configurations			
				KSU	1st QCDU2	2nd QCDU2	QSTU2
000		000	(10)	**4 - Digital Telephone Ports**			
001		001	(11)				
002[1]		002[1]	(12)				
003[1]		003[1]	(13)				
004		004	(14)		2 -Digital Telephone Ports		
005		005	(15)				
006		006	(16)			**2 - Digital Telephone Ports**	
007		007	(17)				
008		008	(18)				**2 - Standard Telephone Ports**
009[2]		009[2]	(19)				

1. Supports a Digital Telephone or a DDCB Door Phone Control Box.
2. Supports Alternate Background Music (BGM).

DK40i Record Sheet



Important! *Refer to Chapter 2 – DK40i Configuration before installing PCBs in slots 15~18.*

Expansion Slot Configuration Record: Slot 15 _____ Slot 16 _____ Slot 17 _____ Slot 18 _____

Physical Ports	Modular Jack Location Record	Logical Ports	[PDNs] (Initialized)	Port Type for Different Base Configurations			
				TCOU or TDDU	TCOU, TBSU or TDDU+KSTU2	TBSU	TBSU+KSTU2
000		000	(10)	Base Slot 11 8 - Digital Telephone Ports	Base Slot 11 8 - Digital Telephone Ports	Base Slot 11 8 - Digital Telephone Ports	Base Slot 11 8 - Digital Telephone Ports
001		001	(11)				
002		002	(12)				
003		003	(13)				
004		004	(14)				
005		005	(15)				
006		006	(16)				
007		007	(17)				
008		008	(18)	Expansion Slots 15~18	Base Slot 13 4 KSTU2 Ports	Base Slot 12* TBSU CKT 1 2 Ports Base Slot 12* TBSU CKT 2 2 Ports	Base Slot 12* TBSU CKT 1 2 Ports Base Slot 12* TBSU CKT 2 2 Ports
009		009	(19)				
010		010	(20)				
011		011	(21)				
012		012	(22)		Expansion Slots 15~18	Expansion Slots 15~18	Base Slot 13 4 KSTU2 Ports
013		013	(23)				
014		014	(24)				
015		015	(25)				
016		016	(26)				Expansion Slots 15~18
017		017	(27)				
018		018	(28)				
019		019	(29)				
020		020	(30)				
021		021	(31)				
022		022	(32)				
023		023	(33)				
024		024	(34)				
025		025	(35)				
026		026	(36)				
027		027	(37)				

Note *Expansion slots 15~18: See DK40i Configuration tables in Chapter 2 of the Strata DK Installation and Maintenance Manual.*
**If TBSU circuits that are set as station-side in Program *60, use two station ports per circuit. TBSU circuits that are set to line-side do not use station ports.*

DK424 Record Sheet

*** # * # 1 * 2 * 3 - Spkr 0 4 Hold - Spkr ☐☐☐ # ☐☐☐☐ Hold - Spkr # # Hold - Spkr # # Hold**

SELECT = Station Logical Port Number(s)

Press [PDN] or Button LED 01 to erase (1~4 digits)

Processor	[PDN] Port Range	Initialized [PDNs]	DISA Port	Reserved for Special Functions
RCTUA	000~031	200~231	039	032~039
RCTUBA/BB	000~079	200~279	089	080~089
RCTUC/D	000~239	200~239	249	240~249
RCTUE/F	000~335	100~435	344	336~349

Physical Ports	Modular Jack Location Record	Logical Ports	[PDN]	Cabinet and Slot Number	Physical Ports	Modular Jack Location Record	Logical Ports	[PDN]	Cabinet and Slot Number
				Cabinet: ______ **Slot:** ______					**Cabinet:** ______ **Slot:** ______
				Cabinet: ______ **Slot:** ______					**Cabinet:** ______ **Slot:** ______
				Cabinet: ______ **Slot:** ______					**Cabinet:** ______ **Slot:** ______
				Cabinet: ______ **Slot:** ______					**Cabinet:** ______ **Slot:** ______

Program *04 – [PhDN] and Distributed Hunt [DN] Assignments For Internal and Tie Line Calls

Processor Type: *DK14, DK40i, all RCTUs*

Program Type: *Station*

Initialized Default: *See the legend below*

*** # * # 1 * 2 * 3** - **Spkr * 0 4 Hold** - **Spkr** □□□ **#** □□□□ **Hold** - **Spkr # # Hold** - **Spkr # # Hold**

SELECT = [PhDN] or DH [DN] Port Number
(see table below)
To erase existing [PDNs], enter XXX*XXX
(low port * high port). Adding a new range of
[PDNs] cannot be done in this manner.

[PhDN] or DH [DN] assigned to port number
(1~4 digits, see table below)

Press LED Button 01 to erase [PhDNs] and DH[DNs].

Processor	[PhDN] Port Range	Initialized [PhDN]	DH [DN] Port Range	Initialized DH [DN]
DK14	500~509	50~59	900~915	850~865
DK40i	500~527	50~77	900~915	850~865
RCTUA	500~531	500~531	900~915	850~865
RCTUBA/BB	500~579	500~579	900~915	850~865
RCTUC/D	500~739	500~739	900~915	850~865
RCTUE/F	500~835	450~785	900~915	850~865

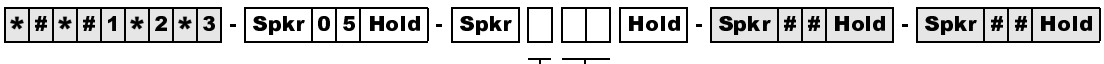
[PhDN] or DH [DN] Port XXX	Initialized [PhDN] or DH [DN] (YYYY)	[PhDN] or DH [DN] Port XXX	Initialized [PhDN] or DH [DN] (YYYY)	[PhDN] or DH [DN] Port XXX	Initialized [PhDN] or DH [DN] (YYYY)

Program 05 – Flexible Access Code Numbering

Processor Type: *DK14, DK40i, All RCTUs*

Program Type: *System*

Initialized Default: *See record sheet*



SELECT = Access Code (1~9)
See the table below for standard access codes.

SPECIAL DIAL = New Access Codes

The first digit of access codes can be replaced by 2 digits.

Press LED Button 01 to enter blanks.

Default Access Code	Features Affected (N/A = Not Affected/ Cannot Change)		New Access Codes
0	Unused		
1	Voice First/Tone First (Dial 1-N/A) Door Phones: (#151~#159; #161~#163) IMDU or RMDS Access: DK424 and DK40i (#19) Default [PDNs] and Park Orbits (see Program 04)	Station LCD Messages (10~19-N/A) Station Speed Dial (100~139-N/A) RCTUE/F Station Speed Dial Set (10~49-N/A) RCTUA, BA/BB, C/D	
2	Default [PDNs] and Park Orbits (see Program 04) Busy Override (Dial 2-N/A) Do Not Disturb Override (Dial 2-N/A)	ACD Ports (*04, *09, 71) Off-hook Call Announce (2-N/A) RCTUE/F System Speed Dial (200~999)	
3	Default [PDNs] and Park Orbits (see Program 04) Executive Override (Dial 3-N/A) All Call Voice Page (#30) All Call Voice Page with External Spkrs (#39) RCTUE/F Ext Page Zones #351~#358	RCTUA~C/D External Page Zones 1~4 (#35~#38) Group Page (Internal) (#311~#318) Park + Page (Cnf+#331) Park Pick Up [DN]+#331 (see Program *05) Park + Hold (Cnf+#332)	
4	Default [PDNs] and Park Orbits (see Program 04) Default [PhDNs] (see Program *04) Automatic Callback (Dial 4-N/A) CO Line Queuing (Dial 4-N/A) Station Number Display (#401) Port Number Display (#402) Hold (#41) Hold Pickup (#42) Automatic Busy Redial (Conf + #44) Automatic Busy Redial Cancel (Int + #44) Message Waiting Answer (#408) from INT, [PDN], or [PhDN] Display [PDN], [SDN], or [PhDN] on LCD (#407) Emergency Call to Attendant Console (#400) Standard telephone Redial (44) or dial # for feature access code Flash (Cnf + #45) Account Code Input (Cnf + #46)	T.R. Override/T. Class Code Input (Cnf + #47) BGM Over Stations ON (#481) BGM Over Stations OFF (#480) BGM Over External Speakers ON (#491)(Station Port 000 only) BGM Over External Speakers OFF (#490)(Station Port 000 only) Cancel Message Waiting at Station (#409) from [PDN] or [PhDN] Retrieve Message Waiting (#408) Access Code/Speed Dial Prefix (44 or #) To store a CO line or feature access code in Speed Dial memory from rotary phones or phones without the Speed Dial and Redial buttons, enter 44 + 7XXX instead of # + 7XXX. Start Trace #489 (Station Port 000 only) Stop Trace #488 (Station Port 000 only) Cancel Auto Call Back (#43)	

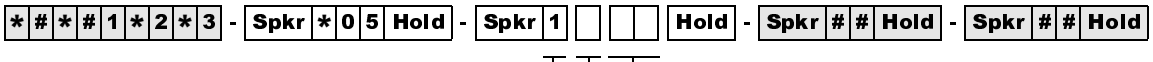
Default Access Code	Features Affected (N/A = Not Affected/ Cannot Change)		New Access Codes
5	Call Pickup Station (#5+Station No.), Ringing CO or DID line (#59) Directed Pickup of CO Line on Hold (#5+#7 XXX, XXX = 001~200), Pick-up External Page (#5 +#30 or for Zone Page #5+#35~#38) #5#79 Pick up Tandem Connection (Release 3.2 and above)	Selected Group Pickup (#5+#320~#339) Own Group(s) Pickup (#5+#34) Pickup Ringing Line (#59) [DN] Pickup #5#2+XXX (XXX=[PDN] or [PhDN], DK Release 3.1 and above) Verified Account Codes (DK14, DK40i, RCTUA~C/D: Speed Dial + 50; RCTUE/F Speed Dial + 050)	
6	Call Forward (#601, #602, #603, #604) Timed Reminder (#605~#609) M/W for Voice Mail ON (#63+Station No.) M/W for Voice Mail OFF (#64+Station No.) Voice Mail ID Code Set (Call Fwd, #656) Voice Mail ID Code Set (Ans. MW, #657) LCD Message Set (#68) DKT Mute Ring Adjust (#6101) DKT Ring Level Adjust (#6102) Port Swap/Station Relocation OFF (#6281) Station Relocation ON (#6282) Logical Port Swap ON (#6283) Call Forward Ext Set or Remote Change Code (#670) Date Set (#651) Time Set (#652) Weekday Set (#653)	T.R. Override Code Change (#654, #655) System Speed Dial (N/A 600~699 RCTUB, RCTUBA/BB, & RCTUC/D) System Speed Dial Set (N/A 60~99 - DK14, DK40i and RCTUA) LCD User Name (#621-Set, #620-Reset, TR dial plan Set #650 +6267 +7/8/9 Change DISA Security Code Change (#658) Verified Account Code Change (#659) Set LCD Messages (#68) System LCD Messages (N/A 60-99) Traveling Class Code 1~8 Change (#691~#698) Logical Port Swap (#627 + Destination Intercom No.) Physical Port Calling (#629 + Physical Port No.) Message Waiting Set/Cancel (N/A) (7) (77) Night Lock Password Change (#622)	
7	CO Line Outgoing Calls (#7001~#7200) To store a CO line or feature access code in Speed Dial memory from rotary telephones or telephones without the Speed Dial and Redial buttons, enter 44 + 7XXX instead of # + 7XXX.		
8	CO Group Outgoing Calls (801~816)	Default Distributed Hunt [DNs] (850~ 865) See Program *04	
9	Least Cost Routing or CO Group (9), Distributed Hunt Group Prog *04 Port Ref. (900~915)		

Program *05 – Call Park Pickup Abbreviated Dialing

Processor Type: *DK14, DK40i, All RCTUs*

Program Type: *System*

Initialized Default: *Blank*



SELECT = 1

SELECT = Call Park type:
1 = Change #331 Call Park Pickup Code
2 = Change #332 Call Park Pickup Code

It is only necessary to change one code, but each code can be changed to the same or

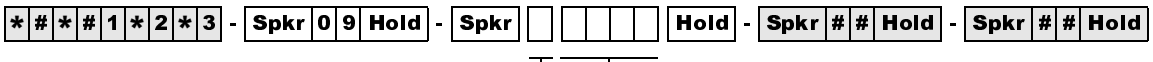
DATA = 1 or 2 digit abbreviated dialing for Call Park Pickup.

Program 09 – Built-in Auto Attendant Prompt / Station Assignments

Processor Type: *DK14, DK40i, All RCTUs*

Program Type: *System and ACD*

Initialized Default: *Blank*



SELECT = Prompt
Press prompt number offered to caller. First or second digit.

AUTO ATT DIAL = (1~4 digits)
Enter the station numbers, [PDNs], [PhDNs], DH [DNs], or #4 plus the ACD Group No. which will receive Auto Attendant calls. Could be ✱ if establishing the first digit.

Press LED Button 01 to delete data.

Dialed Digit (Menu Prompts)	Station Number [PDN]	Department, Division, Etc.
0		
1		
2		
3		
4		
5		
6		
7		
8		
9		

Program *09 – [PDN], [PhDN], DH, ACD or Modem DID Ext. Assignments

Processor Type: *See legend below*

Program Type: *Station*

Initialized Default: *See legend below*

*** # * # 1 * 2 * 3** - **Spkr * 0 9 Hold** - **Spkr** ☐☐☐ **#** ☐☐☐☐ **Hold** - **Spkr # # Hold** - **Spkr # # Hold**

SELECT = Port No. (see legend)

To add a port range, enter XXX✱XXX (low port ✱ high port). (Do not press # after entering a port range.) Then enter the lowest DID Ext. number as the first Ext. number in the range.

DIAL = DID Extension Number (1~4 digits)

Press LED Button 01 to erase extension numbers.

Processor	[PDN] Port Range	[PDN] Ext. #	[PhDN] Port Range	[PhDN] Ext. #	DH Group Ports	DH Ext. # Default	ACD Port #	ACD Ext. #	RMDS/IMDU Modem Port	Modem [PhDN] Ext. #
DK14	000~009	10~19	500~509	50~59	900~915	Blank	N/A	N/A	N/A	N/A
DK40i	000~027	10~37	500~527	50~77	900~915	Blank	N/A	N/A	031	41
RCTUA	000~031	200~231	500~531	500~531	900~915	Blank	N/A	N/A	035	235
RCTUBA/BB	000~079	200~279	500~579	500~579	900~915	Blank	090~097	290~297	085	285
RCTUC/D	000~239	200~439	500~739	500~739	900~915	Blank	250~265	450~465	245	445
RCTUE/F	000~335	100~435	500~835	450~785	900~915	Blank	345~360	850~865	340	840

[PDN], [PhDN], DH, ACD or Modem Port	[PDN], [PhDN], DH, ACD or Modem Port DID Ext. # (1~4 Digits)	[PDN], [PhDN], DH, ACD or Modem Port	[PDN], [PhDN], DH, ACD or Modem Port DID Ext. # (1~4 Digits)	[PDN], [PhDN], DH, ACD or Modem Port	[PDN], [PhDN], DH, ACD or Modem Port DID Ext. # (1~4 Digits)

Program 10-1 – System Assignments, Part 1 of 3

Processor Type: *DK14, DK40i, All RCTUs*

Program Type: *System*

Initialized Default: *LEDs 07, 08, 09, 16, 18, 19 and 20 are ON*

SELECT = 1 — Light the LED Buttons that are marked with an X in the table below.

Button/ LED	X	LED ON	LED OFF
20		Two-CO Line Conference/Allowed	Not Allowed Two-CO line Conference must be allowed for Tandem Line, DISA, CF-EXT, and DNIS external routing operation. Also See Program 15, Code 5.
19		Conference/Allowed	Not Allowed
18		Ring Detect Time-Normal	Ring Detect Time-Short Rings
17		Station to Station Call Volume PAD (-8db)	No Station to Station Call PAD
16		BRI Standard Initialization (2 TEIs)	None (TEI = 0)
15~13		Not Used	Not Used
12		ABR Cycles/10 times	15 times
11		ABR Redial time/30 sec.	1 min.
10		System Speed Dial Override, Toll Restriction	Restricted
09		Exclusive Hold/Allowed	Not Allowed
08		Alternate Point Answer	Transfer Privacy
07		Ring Transfer of CO Line Allowed	Not Allowed If Ring Transfer is allowed, set Ring Transfer Recall time in Program 37; if ring transfer is not allowed (LED 07 OFF), the station recalls immediately if transfer is attempted.
06		CO Line Repeat Ringing	Standard Ring Standard ring pattern is 1 sec. on, 3 sec. off.
05		Incoming Call Abandon 8 sec.	6 sec.
04		CO Line DTMF Signal Time 160 msec.	80 msec. LED 04 DTMF Signal Time applies to manual and speed dial tones sent out of the system via CO lines. This applies when dialing from any Toshiba telephone, including the 2000-series Digital Telephone. LED 04 does not apply to Call Forward or Voice Mail ID DTMF tones sent to voice mail ports. (See Program 10-2, LED 06, for tones sent to Voice Mail ports.)
03		Dial Pulse Make Ratio 33%	40%
02		0.45 or 1.5 sec. per Program 42-0	CO Line Re-seize guard time 0.45 CO line guard time is the time interval the system requires to release a CO line and reseize it. If LED 02 is off, all lines are set with 0.45 second guard time; if LED is on, guard time is 0.45 or 1.5 seconds per Program 42-0.
01		Tone First (from SLTs, DKTs and EKTs)	Voice First (from SLTs, DKTs and EKTs) This applies to [PDNs] not [PhDNs]; [PhDNs] are always tone first.

Program 10-2 – System Assignments, Part 2 of 3

Processor Type: *DK14, DK40i, All RCTUs*

Program Type: *System*

Initialized Default: *LEDs 02, 14, 15, and 16 are ON*

SELECT = 2 — Light the LED Buttons that are marked with an X in the table below.

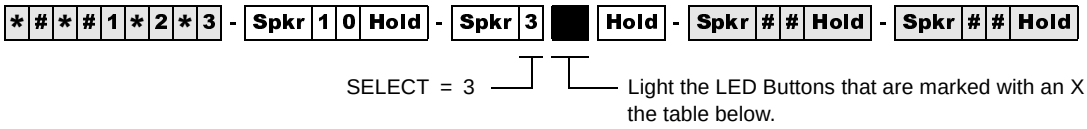
Button/ LED	X	LED ON	LED OFF
20		Padded DTMF Tone Return When Dialing	DTMF/No DTMF Per Prog 10-2, LED 11
19		External Conference Amp Connected to PEKU	No External Amplifier Connected
18		External Conference Amp Connected to PEKU	No External Amplifier Connected
17		"TRNS" Soft Key—Immediate	"TRNS" Soft Key—Normal
16		Executive Override Warning Tone/ON	Executive Override Warning Tone/OFF
15		External Page included with All Call Page	Not Included - see Button/LED 20 note.
14		Privacy Override/Attendant/ Supervised Loop Warning Tone/ON	Privacy/Attendant Supervised Loop Override Warning Tone/OFF
13		Send Auto Callback Camp-on Tone	No Callback Tone. Called party receives notification tone when calling party activates Auto Call Back.
12		CO Line 3 min Beep Tone	No Beep Tone
11		No DTMF Tone Return When Dialing	DTMF tone return when dialing
10		BGM connected to PESU, Circuit 8	EKT connected to PESU, CKT 8
09		BGM connected to PEKU, Circuit 3	EKT connected to PEKU, CKT 3
08		Elapsed Time Display 1 min. After Access or Answer a CO line	Elapsed Time Display 15 sec. After Access or Answer a CO Line
07		Standard Tel. CO Ring per Prog. 10-1, LED 06	Standard Tel. CO Ring Distinctive
06		VM ID Code DTMF Signal Time 80 ms	160 ms
05		Send Music-on-hold.	Send Ringback Tone to the transferred party.
04		MW cancel from VM: RS-232 or dial #64 + [DN]	MW cancel from VM: Automatic When Answer
03		3 Ringing Modes	2 Ringing Modes
02		Hunt/C.F. override from DSS console's phone	Hunt/C.F. override from DSS console
01		Tone First (from DSS Console)	Voice First (from DSS Console) This applies to [PDNs] not [PhDNs]; [PhDNs] are always tone first.

Program 10-3 – System Assignments, Part 3 of 3

Processor Type: *DK14, DK40i, All RCTUs*

Program Type: *System*

Initialized Default: *LEDs 11, 13 and 20 ON, all other LEDs OFF*



Button/ LED	X	LED ON	LED OFF
20		SMDI Message Desk Number (001) is sent in SMDI packet.	CO line number is sent in SMDI packet.
19		Speed Dial Entry Timeout- 3 minutes	Speed Dial Entry Timeout - 1 minute
18		Auto Attendant: Normal Ringing Pattern After Camp-on	Auto Attendant: Back to Announcement After Camp-on
17		Auto Attendant: Ring Before Disconnect time	Auto Attendant: Ring Before Disconnect time
16		Auto Attendant: Ring Before Disconnect time	Auto Attendant: Ring Before Disconnect time
15		Auto Attendant: Sends MOH to Caller	Auto Attendant: Sends RBT to Caller
14		SMDI-Bellcore Standard VM Interface, per LED 09 Below	Not used
13		SMDI-Station Number Digit Length (HEX-8)	SMDI-Station Number Digit Length (HEX-0)
12		SMDI-Station Number Digit Length (HEX-4)	SMDI-Station Number Digit Length (HEX-0)
11		SMDI-Station Number Digit Length (HEX-2)	SMDI-Station Number Digit Length (HEX-0)
10		SMDI-Station Number Digit Length (HEX-1)	SMDI-Station Number Digit Length (HEX-0)
09		Bellcore Standard 1985 Version (1-space)	Bellcore Standard 1985 Version (2-space)
08		Caller ID/ANI numbers are sent out the SMDI port	Caller ID/ANI numbers are not sent out the SMDI port.
07			
06			
05			
04		PEKU Ports 33, 34-Amp, connected (RCTUBA/BB or higher)	PEKU Ports 33, 34-stations connected
03		PEKU Ports 25, 26-Amp, connected	PEKU Ports 25, 26-stations connected
02		PEKU Ports 17, 18-Amp, connected	PEKU Ports 17, 18-stations connected
01		PEKU Ports 09, 10-Amp, connected	PEKU Ports 09, 10-stations connected

Program *10 – Enhanced 911 Operation

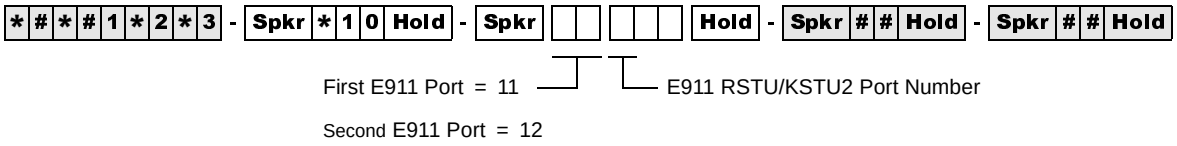
Processor Type: *DK14, DK40i, all RCTUs*

Program Type: *System*

Initialized Default: *See each program*

Programs *10-11 and *10-12 – E911 Standard Telephone Ports Assignment

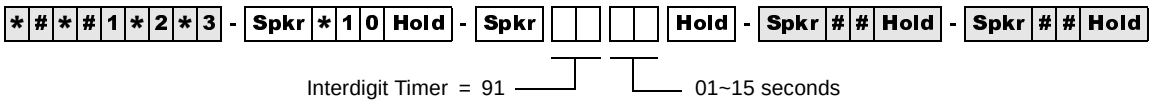
Initialized Default: *Blank*



	E911 RSTU/KSTU2/QSTU2 Port Number
First Standard Port	
Second Standard Port	

Program *10-91 – E911 Interdigital Time

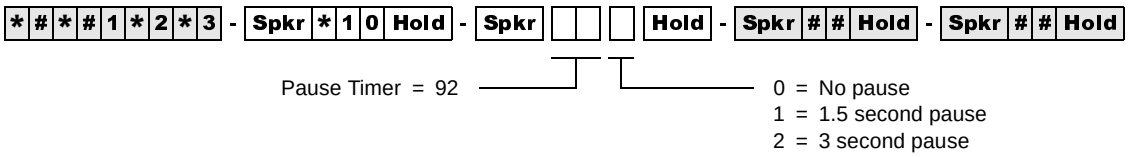
Initialized Default: *15 seconds*



Interdigit Timer		seconds

Program *10-92 – E911 Pause Before Send Timer

Initialized Default: *0 - No pause*



Pause Timer		seconds

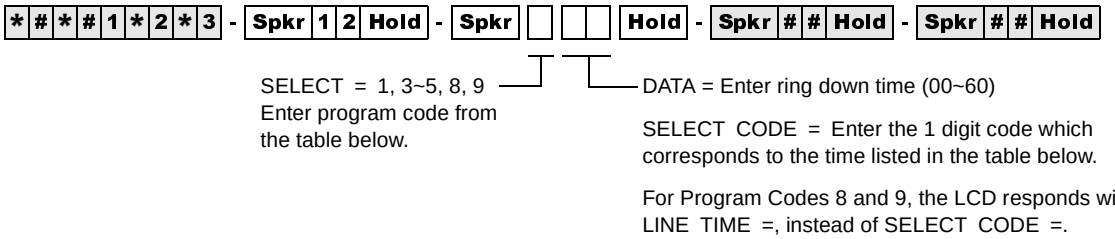
Program 12 – System Assignments, Basic Timing

Processor Type: *DK14, DK40i, All RCTUs*

Program Type: *Station*

Initialized Default:

Program Timing	
Code 1	15 secs.
Code 3	1
Code 4	2
Code 5	0
Code 8	1
Code 9	4



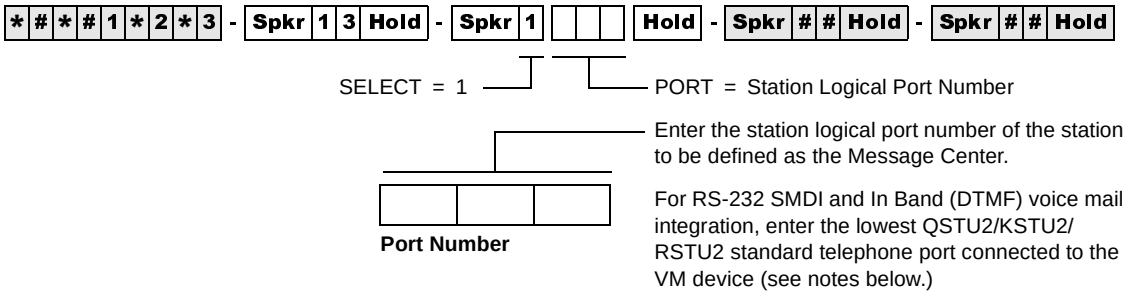
Program Code	Function	Code	Time	Required Code
1	Standard Telephone Ring Down Timer (Release 4.0)	XX	XX = 2 digits. 00~60 secs.	
3	Pause Timing (Speed Dial)	1	1.5 sec	
		2	3.0 sec.	
4	Flash Timing	1	0.5 sec.	
		2	2.0 sec. (Not used in U.S.)	
		4	0.2 sec.	
5	Pause After Flash (Voice Path Delay)	0	no pause	
		1	1.5 sec.	
		2	3.0 sec.	
8	DNIS Ext. Network, External Call Forward, and DISA Disconnect Timer for Loop Start Lines	0	no disconnect timer	
		1	4 min. disconnect	
		2	10 min. disconnect	
		3	20 min. disconnect	
9	QRCU3/K4RCU3/RRCS DTMF Inter-digital Release Time (Standard Phone)	1~9	1~9 secs.	

Program 13 – Defining the Message Center

Processor Type: *DK14, DK40i, All RCTUs*

Program Type: *Station*

Initialized Default: *No port assigned*



Program 15 – Ground/Loop/Tie/DID Line Options

Processor Type: *DK14, DK40i, All RCTUs*

Program Type: *System*

Initialized Default: *All LEDs are OFF*

SELECT = Program Code

Press **Scroll** to advance or **Page** to go back.

To advance the CO line range, press **Scroll** located beneath the LCD. Press **Page** for a lower range.

LED Buttons = CO line

Specify CO line by setting LEDs as defined by the table below. When you are finished, all LEDs with an "X" should be lit.

Processor Type	CO Line Range
DK14	001~004
DK40i	001~012
RCTUA	001~016

Processor Type	CO Line Range
RCTUBA/BB	001~048
RCTUC/D	001~144
RCTUE/F	001~200

Program Code	Program	LED ON	LED OFF	Line / LED 01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20
0	CPC on AR VM Calls and Voice Calls	Detect	Ignore																				
1	CO/DID/Tie Line Signal	DP	DTMF																				
2	CO/DID/Tie Dial Pulse Rate (Pulse per sec.)	20 PPS	10 PPS																				
3	AR Hold	Detect	Ignore																				
4	AR Timing	Crossbar 95 msec.	ESS (electronic) 450 msec.																				
5	Tandem CO Line Connection with Station Dropout	Enabled	Not Enabled																				
7	Forced Account Code	Enabled	Not Enabled																				
8	Operation After CO Line Flash	No DTMF receiver After Flash	DTMF receiver After Flash																				

Program *15 – CO Line Tenant Assignments

Processor Type: *DK14, DK40i, All RCTUs*

Program Type: *System*

Initialized Default: *All CO lines assigned to Tenant 1*

[*] [#] [*] [#] [1] [*] [2] [*] [3] - [Spkr] [*] [1] [5] [Hold] - [Spkr] [ ] [ ] [ ] [#] [ ] [Hold] - [Spkr] [#] [#] [Hold] - [Spkr] [#] [#] [Hold]

SELECT = CO Line Number

To add a line range, enter XXX*XXX (low port * high port).

TENANT = Assign the CO line to a tenant (see legend below)

Processor Type	CO Line Range	Tenants Supported	Processor Type	CO Line Range	Tenants Supported
DK14	001~004	2	RCTUBA/BB	001~048	4
DK40i	001~012	2	RCTUC/D	001~144	4
RCTUA	001~016	2	RCTUE/F	001~200	4

CO Line	Tenant Group			
	1	2	3	4

CO Line	Tenant Group			
	1	2	3	4

CO Line	Tenant Group			
	1	2	3	4

Program 16 – Assign CO Line Groups (or Dial 9)

Processor Type: *DK14, DK40i, All RCTUs*

Program Type: *System*

Initialized Default: *All CO lines assigned to the Dial 9 group*

SELECT = CO Line Group (see legend)

Only enter the last two digits of the CO line Group, or enter **00** for Dial 9 group.

Press **Scroll** to advance or **Page** to go back.

To advance the CO line range, press **Scroll** located beneath the LCD. Press **Page** for a lower range.

LED Buttons = CO line

Specify CO line by setting LEDs as defined by the table below. When you are finished, all LEDs with an "X" should be lit.

Processor Type	CO Line Range	CO Line Groups
DK14	001~004	01~04
DK40i	001~012	01~08
RCTUA	001~016	01~08

Processor Type	CO Line Range	CO Line Groups
RCTUBA/BB	001~048	01~08
RCTUC/D	001~144	01~16
RCTUE/F	001~200	01~16

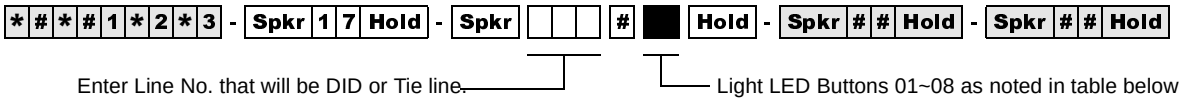
LED	Line Number	CO Line Groups																
																		Dial 9(00)
20																		
19																		
18																		
17																		
16																		
15																		
14																		
13																		
12																		
11																		
10																		
09																		
08																		
07																		
06																		
05																		
04																		
03																		
02																		
01																		

Program 17 – DID/Tie Line Options

Processor Type: *DK40i, All RCTUs*

Program Type: *System*

Initialized Default: *LED 01/02 OFF, LED 03/04 ON*



To add a port range, enter XXX✱XXX (low port ✱ high port).

Line Numbers:

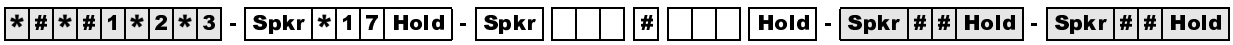
LED/Button	X	LED ON	LED OFF
09, 10, and 14~20		Not used at this time.	
08		DID/Tie line DTMF digits with ✱ tones	DID/Tie line DTMF digits without ✱ tones
07		DID/Tie line receives ANI and routes per Programs 71 and 72	DID/Tie line does not receives ANI (DID Program *09 and Tie Program 04)
06		Telephone LCD priority is ANI	Telephone LCD priority is DNIS
05		DID/Tie line routes per DNIS assignments: (Programs 71 and 72)	DID/Tie line routes per Non-DNIS assignments: (DID Program *09 and Tie Program 04)
04		DID/Tie no second dial tone	DID/Tie second dial tone
03		DID line Auto Camp-on busy	DID line no Camp-on busy
02		Wink Start for Tie or DID	Immediate Start for Tie or DID
01		Page and Voice Announce on incoming Tie line Page access for Tie/DID DNIS lines	No Page and Voice Announce on incoming Tie line No Page access for Tie/DID DNIS lines

Program *17 – DID Intercept Port Number (Vacant or Wrong Number)

Processor Type: *DK40i, All RCTUs*

Program Type: *System*

Initialized Default: *No data*



SELECT = DID Line Number

Intercept does not apply to Tie line calls.

To add a port range, enter XXX✱XXX (low port ✱ high port).

HUNT TO = Enter Intercept Station Logical Port No.

LED Button 01 enters blanks.

Processor Type	DID Line Range	Intercept Port Range
DK14	N/A	N/A
DK40i	001~012	000~027
RCTUA, RCTUB	001~016	000~031

Processor Type	DID Line Range	Intercept Port Range
RCTUBA/BB	001~048	000~079
RCTUC/D	001~144	000~239
RCTUE/F	001~200	000~335

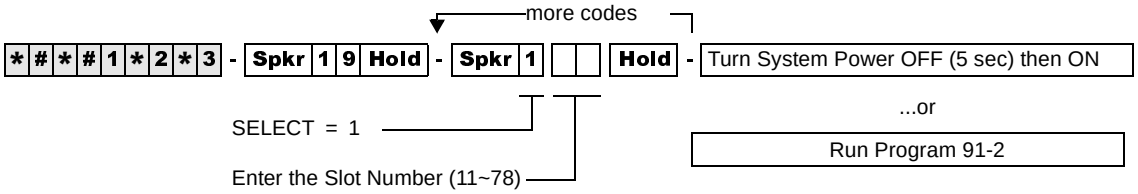
DID LIne Number	Intercept Port Number	DID LIne Number	Intercept Port Number	DID LIne Number	Intercept Port Number

Program 19 – Alternate Background Music Source Slot Assignment

Processor Type: *DK40i, All RCTUs (not used for DK14. See Program 10-2, LED 10)*

Program Type: *System*

Initialized Default: *Slot 11*

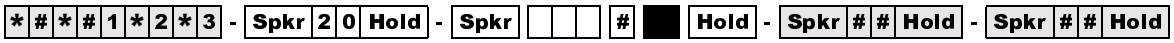


Program 20 – Computer and Data Interface Unit Configuration

Processor Type: *DK14, DK40i, All RCTUs*

Program Type: *Station*

Initialized Default: *LED 17 ON, all others OFF*



SELECT = PDKU/PDSU Station Logical Port Number that is connected to PDIIU-DS or to DKT with PDIU-DI or RPCI-DI

LED Buttons 01~06 define data port type; LED Buttons 17~20 assign data port to security group.

Processor Type	Port Range
DK14	000~009
DK40i	000~027
RCTUA	000~031

Processor Type	Port Range
RCTUBA/BB	000~079
RCTUC/D	000~239
RCTUE/F	000~335

DK40i Base, PDKU, RDSU, KCDU Digital Port Number

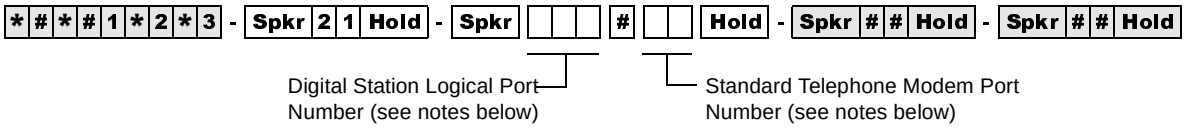
LED	X	LED ON	LED OFF
20		Data Security Group 4	Not Included
19		Data Security Group 2	Not Included
18		Data Security Group 3	Not Included
17		Data Security Group 1	Not Included
12~16	Not Used		
11		RPCI-DI DNIS Sent	RPCI-DI DNIS Not Sent
10		RPCI-DI Caller ID/ANI Sent	RPCI-DI Caller ID/ANI Not Sent
07~09	Not Used		
06		DTR Pulse with Data Release	No DTR Pulse
05		Auto Pause Behind PBX	No Auto Pause
04		PDIU-DS Connected	PDIU-DI/RPCI-DI Connected
03		PDIU-DS to Modem Connection	PDIU-DS to other type DCE or DTE
02		AT Commands and Result Codes	AT Commands Only
01		PDIU-DS or RPCI Connected	No PDIU-DS or RPCI Connected

Program 21 – Modem Pool Port Assignments

Processor Type: *DK14, DK40i, All RCTUs*

Program Type: *Station*

Initialized Default: *Blank*



Processor Type	Port Range
DK14	008~009
DK40i	008~027
RCTUA	008~031

Processor Type	Port Range
RCTUBA/BB	008~079
RCTUC/D	008~239
RCTUE/F	008~335

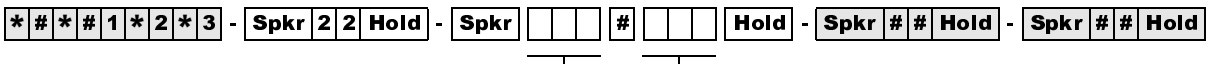
	Logical Port No.			Modem Port No.	
Assignment 1					
Assignment 2					
Assignment 3					
Assignment 4					
Assignment 5					
Assignment 6					
Assignment 7					
Assignment 8					
Assignment 9					
Assignment 10					

Program 22 – RPCI and DIU Station Hunting for Data Calls

Processor Type: *DK14, DK40i, All RCTU's*

Program Type: *Station*

Initialized Default: *Does not assign "hunt-to" ports to any port*



SELECT = Port Number (see legend below)

Enter the RPCI/DIU digital port number of the "hunt-from" station.

Enter the port number(s) to which class of service must be assigned. To add a port range, enter XXX✱XXX (low port ✱ high port).

HUNT TO = (see legend below)

Enter the "hunt-to" RPCI/DIU digital port number.

LED Button 01 deletes a digit from the "hunt-to" port.

Processor Type	Port Range
DK14	000~007
DK40i	000~027
RCTUA	000~031

Processor Type	Port Range
RCTUBA/BB	000~079
RCTUC/D	000~239
RCTUE/F	000~335

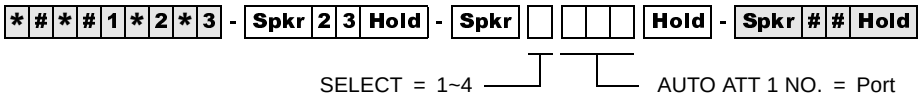
Hunt From Port	Hunt To Port	Hunt From Port	Hunt To Port	Hunt From Port	Hunt To Port	Hunt From Port	Hunt To Port

Program 23 – Built-in Auto Attendant (AA) Primary Announcement Assignments

Processor Type: *DK14, DK40i, All RCTUs*

Program Type: *System*

Initialized Default: *No ports assigned*



Processor Type	Port Range	Processor Type	Port Range
DK14	008~009	RCTUBA/BB	008~079
DK40i	008~027	RCTUC/D	008~239
RCTUA	008~031	RCTUE/F	008~335

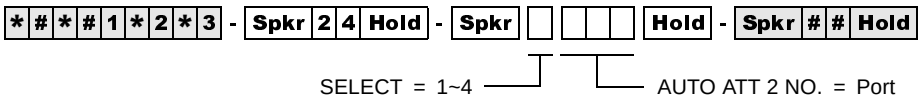
Announcement Device	Port Number
1	
2	
3	
4	

Program 24 – Built-in AA Secondary Announcement Assignments

Processor Type: *DK14, DK40i, All RCTUs*

Program Type: *System*

Initialized Default: *No ports assigned*



Note See Program 23 legend for port ranges.

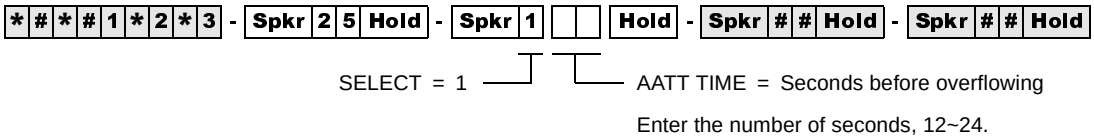
Announcement Device	Port Number
1	
2	
3	
4	

Program 25-1 – Built-in AA Incoming Call Overflow Time

Processor Type: *DK14, DK40i, All RCTUs*

Program Type: *System*

Initialized Default: *20 seconds before overflow*



Program 26 – Built-in AA Camp-on Busy Time

Processor Type: *DK14, DK40i, All RCTUs*

Program Type: *Station*

Initialized Default: *Assigns an AA Camp-on-Busy Time of 016 seconds to all ports*

*** # * # 1 * 2 * 3 - Spkr 2 6 Hold - Spkr □□□ # □□□ Hold - Spkr # # Hold - Spkr # # Hold**

SELECT = Port Number

Enter the number of the called Station Logical port that needs a Camp-on Busy time assigned.

To add a port range, enter XXX✱XXX (low port ✱ high port).

CAMP-ON TIME = AA Camp-on-Busy Time

Enter the time in seconds (1~3 digits). The range is 011~999 seconds (16.65 minutes).

Processor Type	[PDN] Port Range
DK14	000~009
DK40i	000~027
RCTUA	000~031

Processor Type	[PDN] Port Range
RCTUBA/BB	000~079
RCTUC/D	000~239
RCTUE/F	000~335

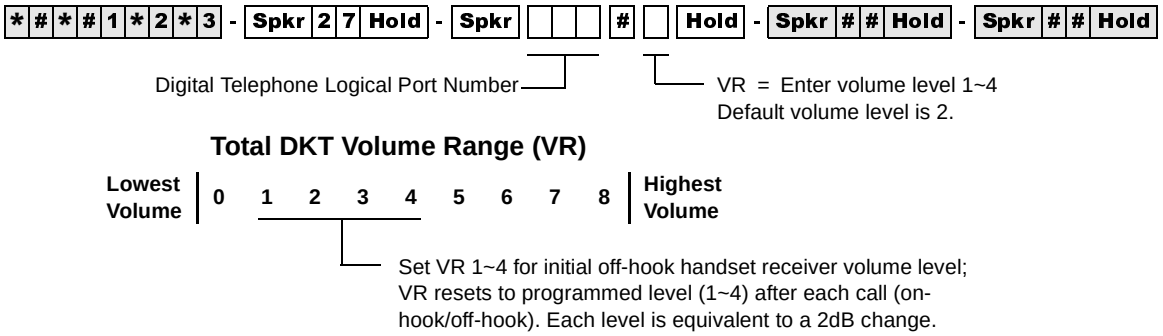
Port	Camp-on Time	Port	Camp-on Time	Port	Camp-on Time	Port	Camp-on Time

Program 27 – DKT Handset/Headset Receiver Volume Level

Processor Type: *DK14, DK40i, All RCTUs*

Program Type: *Station*

Initialized Default: *VR=2*



Processor Type	Port Range
DK14	000~007
DK40i	000~027
RCTUA	000~031

Processor Type	Port Range
RCTUBA/BB	000~079
RCTUC/D	000~239
RCTUE/F	000~335

Port	VR Level

Port	VR Level

Port	VR Level

Port	VR Level

Program 28 – DSS Console/Attendant Telephone Assignments

Processor Type: *DK40i, All RCTUs*

Program Type: *Station*

Initialized Default: *Assigns Console #1 to Attendant Telephone #1; Console #2 to Attendant Telephone #2; etc.*

SELECT = 1~8

Enter the DSS console number.

Digital DSS consoles (DDSS) should be assigned to digital telephones, and electronic consoles (HDSS) should be assigned to electronic telephones.

DSS ATT = 1~8

Enter the attendant digital or electronic telephone number.

Processor	DSS Consoles	HDSS Consoles
DK14	0	0
DK40i	1~3	1~3
RCTUA	1~3	1~3
RCTUBA/BB	1~4	1~4
RCTUC/D	1~8	1~8
RCTUE/F	1~8	1~8

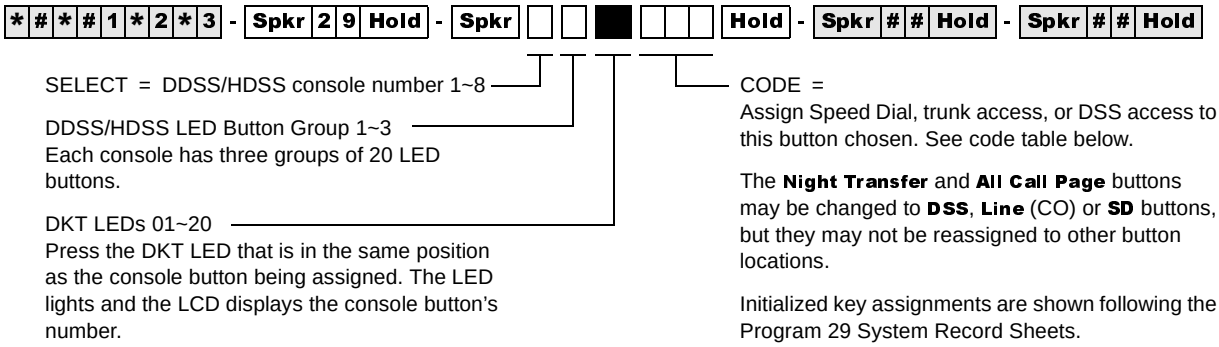
DDSS PDKU/HDSS PEKU PCBs (Lowest to Highest)	DDSS/HDSS Console Number	Attendant DKT/EKT Number (1~8)
Low Slot Number:	**1**	
Slot Number:	**2**	
Slot Number:	**3**	
Slot Number:	**4**	
Slot Number:	**5**	
Slot Number:	**6**	
Slot Number:	**7**	
High Slot Number:	**8**	

Program 29-1~8 – DSS Console and Number Button Assignments

Processor Type: *DK40i, All RCTUs*

Program Type: *Station*

Initialized Default: *See "Program 29 - Initialized Default DSS Console Button Assignments" on* *Page 41*



Code Table and Legend

Button Type	Code
All Call	489
Night Transfer 1	439
Night Transfer 2	440
Night Transfer 3	441
Night Transfer 4	442

Processor	Personal Speed Dial Bin Numbers	System Speed Dial Bin Numbers	CO Line Range	DSS Button Range
DK40i	*10~*49	*60~*99	001~012	#000~#027
RCTUA	*10~*49	*60~*99	001~016	#000~#031
RCTUBA/BB	*10~*49	*600~*699	001~048	#000~#079
RCTUC/D	*10~*49	*600~*699	001~144	#000~#239
RCTUE/F	*100~*139	*200~*999	001~200	#000~#335

Console Number _____

Group Number 1	
Button/Code	**Button/Code**
10	20
09	19
08	18
07	17
06	16
05	15
04	14
03	13
02	12
01	11

Group Number 2	
Button/Code	**Button/Code**
10	20
09	19
08	18
07	17
06	16
05	15
04	14
03	13
02	12
01	11

Group Number 3	
Button/Code	**Button/Code**
10	20
09	19
08	18
07	17
06	16
05	15
04	14
03	13
02	12
01	11

Program 29 - Initialized Default DSS Console Button Assignments

Group 1

DSS Button No.	DK40i	RCTUA	RCTUB RCTUC/D RCTUE/F
01	#000	#000	#000
02	#001	#001	#001
03	#002	#002	#002
04	#003	#003	#003
05	#004	#004	#004
06	#005	#005	#005
07	#006	#006	#006
08	#007	#007	#007
09	#008	#008	#008
10	#009	#009	#009
11	#010	#010	#010
12	#011	#011	#011
13	#012	#012	#012
14	#013	#013	#013
15	#014	#014	#014
16	#015	#015	#015
17	#016	#016	#016
18	#017	#017	#017
19	#018	#018	#018
20	#019	#019	#019

Group 2

DSS Button No	DK40i	RCTUA	RCTUB RCTUC/D RCTUE/F
01	#020	#020	#020
02	#021	#021	#021
03	#022	#022	#022
04	#023	#023	#023
05	#024	#024	#024
06	#025	#025	#025
07	#026	#026	#026
08	#027	#027	#027
09	✱10	#028	#028
10	✱11	#029	#029
11	✱12	#030	#030
12	✱13	#031	#031
13	✱14	✱10	#032
14	✱15	✱11	#033
15	✱16	✱12	#034
16	✱17	✱13	#035
17	✱18	✱14	#036
18	✱19	✱15	#037
19	✱20	✱16	#038
20	✱21	✱17	#039

Group 3

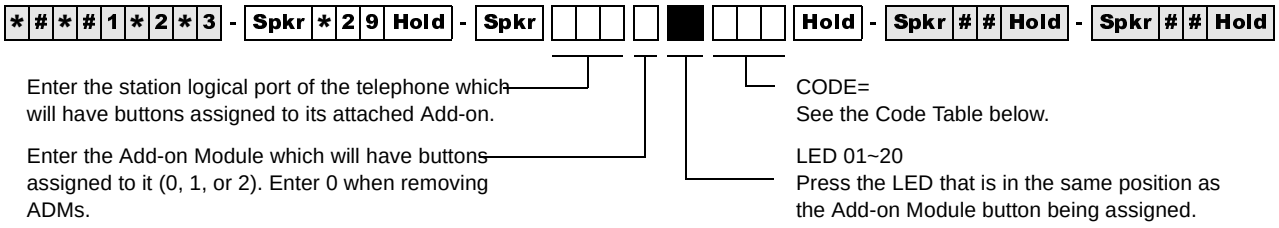
DSS Button No	DK40	RCTUA	RCTUB RCTUC/D RCTUE/F
01	✱22	✱18	#040
02	✱23	✱19	#041
03	✱24	✱20	#042
04	✱25	✱21	#043
05	✱26	✱22	#044
06	✱27	✱23	#045
07	✱28	✱24	#046
08	✱29	✱25	#047
09	✱30	✱26	#048
10	✱31	✱27	#049
11	✱32	✱28	#050
12	✱33	✱29	#051
13	✱34	✱30	#052
14	✱35	✱31	#053
15	✱36	✱32	#054
16	✱37	✱33	#055
17	✱38	✱34	#056
18	✱39	✱35	#057
19	AC (489)	AC (489)	AC (489)
20	NT 1 (439)	NT 1 (439)	NT 1 (439)

Program *29 – Add-on Modules Button Assignments

Processor Type: *DK14, DK40i, All RCTUs*

Program Type: *Station*

Initialized Default: *See "Program 29 - Add-on Modules Button Assignments" on Page 3-74*



Processor	Personal Speed Dial Bin Numbers	System Speed Dial Bin Numbers	CO Line Range	DSS Button Range
DK14	*10~*49	*60~*99	001~004	#000~#009
DK40i	*10~*49	*60~*99	001~008	#000~#027
RCTUA	*10~*49	*60~*99	001~016	#000~#031
RCTUBA/BB	*10~*49	*600~*699	001~048	#000~#079
RCTUC/D	*10~*49	*600~*699	001~144	#000~#239
RCTUE/F	*100~*139	*200~*999	001~200	#000~#335

Port _____

Add-on Module 1				Add-on Module 2			
Button	Code	Button	Code	Button	Code	Button	Code
10		20		10		20	
09		19		09		19	
08		18		08		18	
07		17		07		17	
06		16		06		16	
05		15		05		15	
04		14		04		14	
03		13		03		13	
02		12		02		12	
01		11		01		11	

Port _____

Add-on Module 1				Add-on Module 2			
Button	Code	Button	Code	Button	Code	Button	Code
10		20		10		20	
09		19		09		19	
08		18		08		18	
07		17		07		17	
06		16		06		16	
05		15		05		15	
04		14		04		14	
03		13		03		13	
02		12		02		12	
01		11		01		11	

Processor	ADMs	Number of System Speed Dial Numbers	Number of Personal Speed Dial Numbers
DK14	8	40	40
DK40i	12	40	40
RCTUA	12	40	40
RCTUBA/BB	40	100	40
RCTUC/D	120	100	40
RCTUE/F	200	800	40

Button Assignments

Add-on Module 1 Button No.	DK14	DK40i	RCTUA	RCTUB RCTUC/D RCTUE/F
01	#000	#000	#000	#000
02	#001	#001	#001	#001
03	#002	#002	#002	#002
04	#003	#003	#003	#003
05	#004	#004	#004	#004
06	#005	#005	#005	#005
07	#006	#006	#006	#006
08	#007	#007	#007	#007
09	#008	#008	#008	#008
10	#009	#009	#009	#009
11	*10	#010	#010	#010
12	*11	#011	#011	#011
13	*12	#012	#012	#012
14	*13	#013	#013	#013
15	*14	#014	#014	#014
16	*15	#015	#015	#015
17	*16	#016	#016	#016
18	*17	#017	#017	#017
19	*18	#018	#018	#018
20	*19	#019	#019	#019

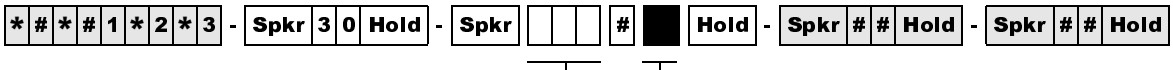
Add-on Module 2 Button No.	DK14	DK40i	RCTUA	RCTUB RCTUC/D RCTUE/F
01	*20	#020	#020	#020
02	*21	#021	#021	#021
03	*22	#022	#022	#022
04	*23	#023	#023	#023
05	*24	#024	#024	#024
06	*25	#025	#025	#025
07	*26	#026	#026	#026
08	*27	#027	#027	#027
09	*28	*10	#028	#028
10	*29	*11	#029	#029
11	*30	*12	#030	#030
12	*31	*13	#031	#031
13	*32	*14	*10	#032
14	*33	*15	*11	#033
15	*34	*16	*12	#034
16	*35	*17	*13	#035
17	*36	*18	*14	#036
18	*38	*19	*15	#037
19	*39	*20	*16	#038
20	*40	*21	*17	#039

Program 30 – Station Class of Service

Processor Type: *DK14, DK40i, All RCTUs*

Program Type: *Station*

Initialized Default: *LEDs 01, 05 and 07 for all ports*



SELECT = Station Logical Port Number(s)

Enter the port numbers to which class of service must be assigned. To add a port range, enter XXX*XXX (low port * high port).

Light LEDs for the port specified in the last step. All LEDs marked with an "X" in the table below should be lit.

Processor Type	Port Range	DISA Port
DK14	000~009	010
DK40i	000~027	035
RCTUA	000~031	039

Processor Type	Port Range	DISA Port
RCTUBA/BB	000~079	089
RCTUC/D	000~239	249
RCTUE/F	000~335	344

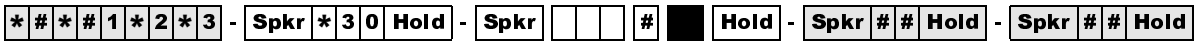
Feature	LED	Port									
SLT/ISDN Terminal "#" Dial	**20**										
Privacy Override	**19**										
Executive Override	**18**										
DND Override	**17**										
Change TR Traveling Class Code	**16**										
Change Verified Account Code	**15**										
Verified Account Codes	**14**										
	13										
SLT-Hook Flash Anti-Bounce Guard	**12**										
Dial Pulse - DTMF OFF	**11**										
Change DISA Security Code	**10**										
Change TR Override Code	**09**										
Forced Account Code	**08**										
OCA Automatic (originating OCA)	**07**										
ABR Access	**06**										
Speed Dial Allowed	**05**										
#5#30 Pickup AC Page Only (Release 3.2 and higher)	**04**										
Microphone Button on at Start of Call	**03**										
MIC Button Locked	**02**										
Speakerphone	**01**										

Program *30 – Telephone Group Page Assignments

Processor Type: *DK14, DK40i, All RCTUs*

Program Type: *Station*

Initialized Default: *All LEDs OFF*



Enter the station logical port which will be assigned to page a group or groups. To add a port range, enter XXX✱XXX (low port ✱ high port).

Press LED Buttons 01~08 to light LEDs for the port specified in the last step. In the table below, “X” all LED Buttons which should be lit.

Processor Type	Port Range	Number of Page Groups
DK14	000~007	4
DK40i	000~027	4
RCTUA	000~031	4

Processor Type	Port Range	Number of Page Groups
RCTUBA/BB	000~079	4
RCTUC/D	000~239	8
RCTUE/F	000~335	8

Feature	LED	Port															
Page Group H	**08**																
Page Group G	**07**																
Page Group F	**06**																
Page Group E	**05**																
Page Group D	**04**																
Page Group C	**03**																
Page Group B	**02**																
Page Group A	**01**																

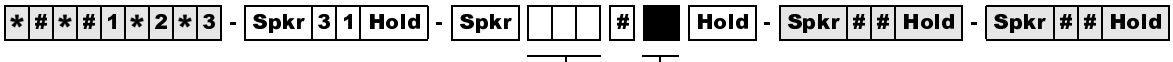
Shaded groups apply to RCTUC/D and RCTUE/F only.

Program 31 – Station Class of Service

Processor Type: *DK14, DK40i, All RCTUs*

Program Type: *Station*

Initialized Default: *LED 10 ON for Ports 000~119; LED 11~13 ON for all ports.*



SELECT = Station Logical Port Number(s)

Enter the port numbers to which class of service must be assigned.

Light LED Buttons for the port specified in the last step. All LED Buttons marked with an "X" in the table below should be lit.

Processor Type	Port Range
DK14	000~009
DK40i	000~027
RCTUA	000~031

Processor Type	Port Range
RCTUBA/BB	000~079
RCTUC/D	000~239
RCTUE/F	000~335

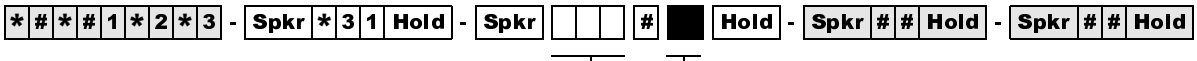
Feature	LED	Port									
Toshiba Stratagy/VP (B + Station No.)	**20**										
Toshiba Stratagy/VP (B No Station)	**19**										
Executive & Privacy Override Blocking	**18**										
End/End Signal Rcv (VM)	**17**										
Receive VM ID Code	**16**										
Toshiba Stratagy/VP Integration (A/D)	**15**										
Handset OCA	**14**										
Handset OCA Warning Tone	**13**										
Pooled Line Key - No Flash if No Ring	**12**										
Busy Override Tone - Continuous	**11**										
All Call Page Allowed - EKTs/DKTs	**10**										
VM (No Conference)	**09**										
VM Group 4 (does not apply to DK14)	**08**										
VM Group 3 (does not apply to DK14)	**07**										
VM Group 2	**06**										
VM Group 1	**05**										
VM to VM Call Blocking Called/Calling	**04**										
OCA Enabled (To Receive)	**03**										
Handsfree No Warning Tone	**02**										
Handsfree Disabled	**01**										

Program *31 – Group Pickup Assignments

Processor Type: *DK14, DK40i, All RCTUs*

Program Type: *Station*

Initialized Default: *All LEDs OFF*



Station Logical Port Number

Enter the station logical port which will be assigned to a pickup group or groups. To add a port range, enter XXX✱XXX (low port ✱ high port).

Light LED Buttons for the port specified in the last step. In the table below, mark an "X" for all LED Buttons which should be lit.

Processor Type	Port Range	Pickup Groups
DK14	000~009	8
DK40i	000~027	16
RCTUA	000~031	20

Processor Type	Port Range	Pickup Groups
RCTUBA/BB	000~079	20
RCTUC/D	000~239	20
RCTUE/F	000~335	20

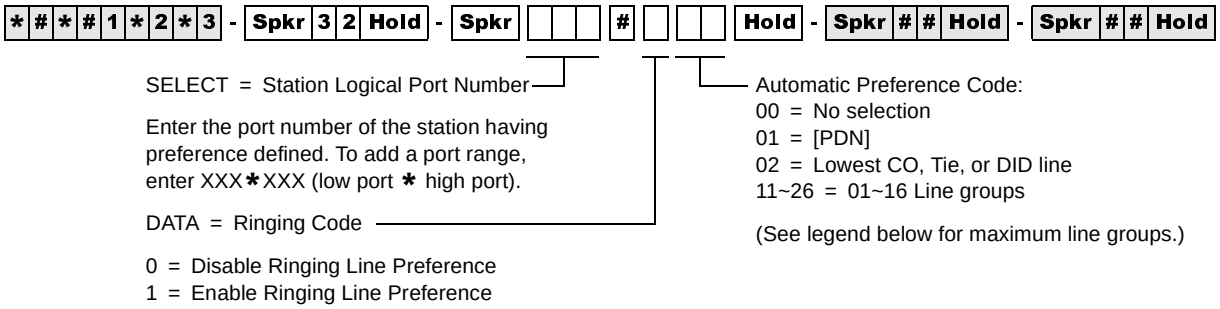
Pickup Group	LED	Port												
Pickup Group 20	**20**													
Pickup Group 19	**19**													
Pickup Group 18	**18**													
Pickup Group 17	**17**													
Pickup Group 16	**16**													
Pickup Group 15	**15**													
Pickup Group 14	**14**													
Pickup Group 13	**13**													
Pickup Group 12	**12**													
Pickup Group 11	**11**													
Pickup Group 10	**10**													
Pickup Group 9	**09**													
Pickup Group 8	**08**													
Pickup Group 7	**07**													
Pickup Group 6	**06**													
Pickup Group 5	**05**													
Pickup Group 4	**04**													
Pickup Group 6	**03**													
Pickup Group 2	**02**													
Pickup Group 1	**01**													

Program 32 – Automatic Preference

Processor Type: *DK14, DK40i, All RCTUs*

Program Type: *Station*

Initialized Default: *Assigns Ringing Code 1 and Automatic Off-hook (Preference) Code 00 for all ports*



Processor Type	Port Range Port Reference Number	Number of CO Line Groups
DK14	000~007	01~04
DK40i	000~027	01~08
RCTUA	000~031	01~08

Processor Type	Port Range Port Reference Number	Number of CO Line Groups
RCTUBA/BB	000~079	01~08
RCTUC/D	000~239	01~16
RCTUE/F	000~335	01~16

Port Number	Ringing Code	Automatic Preference Code

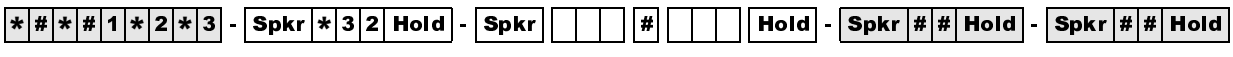
Port Number	Ringing Code	Automatic Preference Code

Program *32 – RS-232 Voice Mail Message Center Port

Processor Type: *DK14, DK40i, All RCTUs*

Program Type: *Station*

Initialized Default: *Blank*



SELECT = Station Logical Port Number (see ranges below)

Enter the port number having a Message Center assigned. Enter all station ports using the same Voice Mail machine.

To add a port range, enter XXX✱XXX (low port ✱ high port).

VM PORT = Voice Mail Message Port

Enter the Voice Mail Message Center Port number (see ranges below) that should be assigned to each station.

Enter the lowest KSTU2, QSTU2 or RSTU2 port number that is connected to the VM machine.

If VM ports are assigned to a Distributed Hunt (DH) Group in Program *40, enter the port number of the first DH Group member, not the DH Group port (900~915). See example following

Processor Type	Port Range
DK14	008~009
DK40i	008~027
RCTUA	000~031

Processor Type	Port Range
RCTUBA/BB	000~079
RCTUC/D	000~239
RCTUE/F	000~335

Port	MW Center Port	Port	MW Center Port	Port	MW Center Port	Port	MW Center Port

Program *32 Overview

This program assigns which Voice Mail Message Center port number will be called when a station user presses the flashing **Msg** button. When using SMDI or DTMF voice mail integration, the Voice Mail Port Message Center must be assigned for each station. The Message Center port must be the lowest voice mail standard telephone port in the Program 31 Voice Mail Group. It is normally the same port for all stations.

Program 33 – [PDN]/ [PhDN] Station Hunting (Voice Calls Only)

Processor Type: *DK14, DK40i, All RCTUs*

Program Type: *Station*

Initialized Default: *Blank*

SELECT = [PDN] or [PhDN] Port Reference Number of the "hunt-from" station.

To add a port range, enter XXX✱XXX (low port ✱ high port).

HUNT TO = [PDN] or [PhDN] Port Reference Number of the "hunt-to" station.

Press LED Button 01 to delete digit from the "hunt-to" port.

Processor	[PDN] Port Range	[PhDN] Port Range
DK14	000~009	500~509
DK40i	000~027	500~527
RCTUA	000~031	500~531

Processor	[PDN] Port Range	[PhDN] Port Range
RCTUBA/BB	000~079	500~579
RCTUC/D	000~239	500~739
RCTUE/F	000~335	500~835

Hunt From	Hunt To

Hunt From	Hunt To

Hunt From	Hunt To

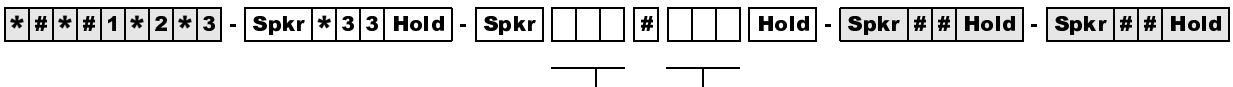
Hunt From	Hunt To

Program *33 – [PhDN] Owner Telephone Assignment

Processor Type: *DK14, DK40i, All RCTUs*

Program Type: *Station*

Initialized Default: *Blanks (no data)*



Processor	[PhDN] Port Reference Number	[PDN] Port Range		Processor	[PhDN] Port Reference Number	[PDN] Port Range
DK14	500~509	000~009		RCTUBA/BB	500~579	000~079
DK40i	500~527	000~027		RCTUC/D	500~739	000~239
RCTUA	500~531	000~031		RCTUE/F	500~835	000~335

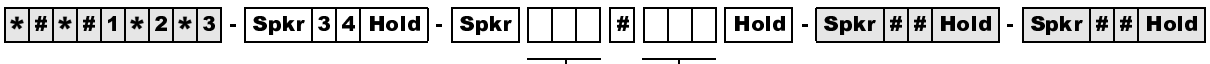
[PhDN] Port Reference Number	Owner Telephone (Program 04) Port Number	[PhDN] Port Reference Number	Owner Telephone (Program 04) Port Number	[PhDN] Port Reference Number	Owner Telephone (Program 04) Port Number

Program 34 – Hold Recall Timing

Processor Type: *DK14, DK40i, All RCTUs*

Program Type: *Station*

Initialized Default: *Assigns a Hold Recall Time of 032 seconds to all ports*



SELECT = Station Logical Port Number

Enter the port number having its Hold Recall Time defined.

To add a port range, enter XXX✱XXX (low port ✱ high port).

HUNT TIME = Seconds

Enter the number of seconds the system will wait (three digits).

Enter 000 for no Hold Recall. Enter 011~160 for 11 to 160 seconds.

Processor	Port Range
DK14	000~009
DK40i	000~027
RCTUA	000~031

Processor	Port Range
RCTUBA/BB	000~079
RCTUC/D	000~239
RCTUE/F	000~335

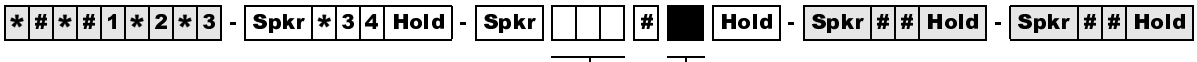
Port	Seconds	Port	Seconds	Port	Seconds	Port	Seconds

Program *34 – Station Class Of Service

Processor Type: *DK14, DK40i, All RCTUs*

Program Type: *Station*

Initialized Default: *LED 01 ON for all ports*



SELECT = Station Logical Port Number

Enter the port number(s) being defined.

To add a port range, enter XXX✱XXX (low port ✱ high port).

LED = Select LEDs to light for the port specified in the last step. Mark an "X" in the table below for all LEDs which should be lit.

Processor	Port Range
DK14	000~009
DK40i	000~027
RCTUA	000~031

Processor	Port Range
RCTUBA/BB	000~079
RCTUC/D	000~239
RCTUE/F	000~335

Feature	LED	Port										
	20											
	19											
	18											
	17											
	16											
	15											
	14											
	13											
	12											
	11											
	10											
	09											
	08											
	07											
	06											
	05											
	04											
	03											
	02											
Camp-on Tone to standard telephone, DKT, or EKT handset/Spkr	**01**											

Program 35 – Station Class of Service

Processor Type: *DK14, DK40i, All RCTUs*

Program Type: *Station*

Initialized Default: *LED 01, 02, 04, 05, 16 are ON, all other LEDs OFF.*

SELECT = Station Logical Port Number

Enter the port number(s) being defined.

To add a port range, enter XXX✱XXX (low port ✱ high port).

LED = Select LEDs to light for the port specified in the last step. Mark an "X" in the table below for all LEDs which should be ON.

Processor	Port Range	Maximum LCD Phones With Personal Messages
DK14	000~009	8
DK40i	000~027	16
RCTUA	000~031	16

Processor	Port Range	Maximum LCD Phones With Personal Messages
RCTUBA/BB	000~079	32
RCTUC/D	000~239	96
RCTUE/F	000~335	96

Feature	LED	Port										
Busy Station Transfer	20											
Busy Station Ringing	19											
Automatic Hold	18											
DKT 2000 Telephone Continuous DTMF Tones OFF	17											
No CF/NA Handsfree or OCA	16											
Not used	15											
Toll Restriction After Answer	14											
Toll Restriction After Answer	13											
Not used	12~07											
Disable Hold Display Scrolling (Release 3.2 and higher)	06											
LCD Personal Message (10~19) Allowed	05											
Message Waiting (RCV)	04											
Message Waiting Lamp Standard. Telephones	03											
LCD Type/32-ON/12-OFF	02											
LCD Display	01											

Program 36 – Fixed Call Forward

Processor Type: *DK14, DK40i, All RCTUs*

Program Type: *Station*

Initialized Default: *Does not assign a Fixed Call Forward location to any port*

***** **#** ***** **#** **1** ***** **2** ***** **3** - **Spkr** **3** **6** **Hold** - **Spkr** ☐☐☐ **#** ☐☐☐ **Hold** - **Spkr** **#** **#** **Hold** - **Spkr** **#** **#** **Hold**

SELECT = Station Logical Port Number

Enter the port number of the station that needs a Fixed Call Forward location assigned.

To add a port range, enter XXX*XXX (low port * high port).

FORWARD TO TEL = Port Number

Enter the port number of the [PDN], [PhDN] or DH [DN] that will be call forwarded to when the **Fixed Call Forward** button is pressed.

[PhDNs] or DH [DNs] can be entered with DK Release 3.2 and above software only.

Processor	[PDN] Port Range	[PhDN] Port Range	DH Group Ports
DK14	000~009	500~509	900~915
DK40i	000~027	500~527	900~915
RCTUA	000~031	500~531	900~915

Processor	[PDN] Port Range	[PhDN] Port Range	DH Group Ports
RCTUBA/BB	000~079	500~579	900~915
RCTUC/D	000~239	500~739	900~915
RCTUE/F	000~335	500~835	900~915

Port	Forward to Tel Port	Port	Forward to Tel Port	Port	Forward to Tel Port	Port	Forward to Tel Port

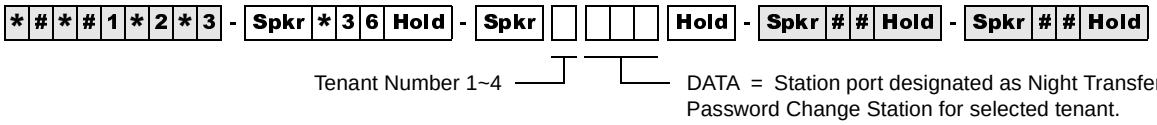
System & Station

Program *36 – System NT Button Lock Password Changing Station Assignment

Processor Type: *DK14, DK40i, All RCTUs*

Program Type: *Station*

Initialized Default: *000*



Processor	Port Range
DK14	000~009
DK40i	000~027
RCTUA	000~031

Processor	Port Range
RCTUBA/BB	000~079
RCTUC/D	000~239
RCTUE/F	000~335

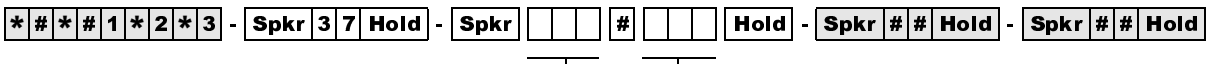
Tenant Number	NT Lock Station or Console Port
1	
2	
3	
4	

Program 37 – Ring Transfer (Camp-on) Recall Time

Processor Type: *DK14, DK40i, All RCTUs*

Program Type: *Station*

Initialized Default: *Assigns Ring Transfer Recall Time of 32 seconds to all ports*



SELECT = Station Logical Port Number

Enter the port number that needs a Ring Transfer Recall Time assigned.

To add a port range, enter XXX✱XXX (low port ✱ high port).

HOLD TIME = Port Number

Enter the Ring Transfer Recall Time (three digits, in seconds)

Enter 011~999 for 11 to 999 seconds.

Processor	Port Range
DK14	000~009
DK40i	000~027
RCTUA	000~031

Processor	Port Range
RCTUBA/BB	000~079
RCTUC/D	000~239
RCTUE/F	000~335

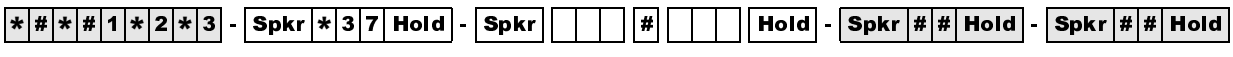
Port	Hold Time	Port	Hold Time	Port	Hold Time	Port	Hold Time

Program *37 – Park Recall Timing

Processor Type: *DK14, DK40i, All RCTUs*

Program Type: *Station*

Initialized Default: *Assigns Ring Transfer Recall Time of 32 seconds to all ports*



SELECT = Station Logical Port Number

Enter the port number having its Park Recall Time assigned.

To add a port range, enter XXX✱XXX (low port ✱ high port).

PARK TIME = Seconds

Enter the number of seconds the system will wait (three digits). Enter 011~999 for 11 to 999 seconds.

Processor	Port Range
DK14	000~009
DK40i	000~027
RCTUA	000~031

Processor	Port Range
RCTUBA/BB	000~079
RCTUC/D	000~239
RCTUE/F	000~335

Port	Seconds	Port	Seconds	Port	Seconds	Port	Seconds

Program 38 – Digital and Electronic Telephone Keystrip Type

Processor Type: *DK14, DK40i, All RCTUs*

Program Type: *Station*

Initialized Default: *Assigns Code 31 to all ports*

Important! If you only want to view Program 38 data, do not press **Hold**, press **Spkr**. Pressing **Hold** will change Program 39 assignments.

Spkr
...or

***#*#1*2*3 - Spkr 38 Hold - Spkr [ ][ ][ ] # [ ][ ] Hold - Spkr ## Hold - Spkr ## Hold**

SELECT = Port Number

Enter the port number of the station that needs a keystrip defined.

To add a port range, enter XXX✱XXX

BUTTON MENU = Code
Enter the appropriate code:

Code 21 = 10-button telephone
Code 31 = 20-button (A) telephone
Code 32 = 20-button (B) telephone
Code 33 = 20-button (C) telephone

Processor	Port Range
DK14	000~009
DK40i	000~027
RCTUA	000~031

Processor	Port Range
RCTUBA/BB	000~079
RCTUC/D	000~239
RCTUE/F	000~335

Port	Button Menu	Port	Button Menu	Port	Button Menu	Port	Button Menu

Assignments for 2000-Series Digital Telephone Keystrips

Speed Dial [1]
Do Not Disturb
Line 7
Line 6
Line 5
Line 4
Line 3
Line 2
Line 1
[PDN]

Code 21 – 10-Button

All Call Voice Page (for DK40i only) ...or Line 9	Speed Dial [1]
Line 8	Do Not Disturb
Line 7	Line 17[2]
Line 6	Line 16
Line 5	Line 15
Line 4	Line 14
Line 3	Line 13
Line 2	Line 12
Line 1	Line 11
[PDN]	Line 10

Code 31 (Default) – 20-Button (A)

Line 9	Speed Dial[1]
Line 8	Do Not Disturb
Line 7	SD 14
Line 6	SD 13
Line 5	SD 12
Line 4	SD 11
Line 3	SD 10
Line 2	Line 12
Line 1	Line 11
[PDN]	Line 10

DK424 and DK40i
Code 32 – 20-Button (B)

SD14	Speed Dial[1]
SD13	Do Not Disturb
SD12	SD 22
SD11	SD 21
SD10	SD 20
Line 4	SD 19
Line 3	SD 18
Line 2	SD 17
Line 1	SD 16
[PDN]	SD 15

DK14
Code 32 – 20-Button (B)

SD10	Flash
Line 8	Do Not Disturb
Line 7	Speed Dial
Line 6	Redial
Line 5	Speed Dial Pause
Line 4	SD 15
Line 3	SD 14
Line 2	SD 13
Line 1	SD 12
[PDN]	SD 11

DK424
Code 33 – 20-Button (C)
(Keystrip not provided, but can be assigned)

Line 9	Flash
Line 8	Do Not Disturb
Line 7	Speed Dial
Line 6	Redial
Line 5	Speed Dial Pause
Line 4	Line 12
Line 3	Line 11
Line 2	Line 10
Line 1	
[PDN]	

DK40i
Code 33 – 20-Button (C)

Assignments for 1000-Series Digital Telephone Keystrips

CO15	CO16	CO17	DND	SDS
CO10	CO11	CO12	CO13	CO14
CO5	CO6	CO7	CO8	CO9
[PDN]	CO1	CO2	CO3	CO4

Code 31 (Default) – 20-Button (A)

SD12	SD13	SD14	DND	SDS
CO10	CO11	CO12	SD10	SD11
CO5	CO6	CO7	CO8	CO9
[PDN]	CO1	CO2	CO3	CO4

Code 32 – 20-Button (B)

PAU	RDL	SDS	DND	FLASH
SD11	SD12	SD13	SD14	SD15
CO5	CO6	CO7	CO8	CO9
[PDN]	CO1	CO2	CO3	CO4

Code 33 – 20-Button (C)

Assignments for Electronic Telephone Keystrips

MW/FL[1]
Do Not Disturb
CO7
CO6
CO5
CO4
CO3
CO2
CO1
[PDN]

Code 21 – 10-Button

CO9	MW/FL[1]
CO8	Do Not Disturb
CO7	CO17[2]
CO6	CO16
CO5	CO15
CO4	CO14
CO3	CO13
CO2	CO12
CO1	CO11
[PDN]	CO10

Code 31 (Default) – 20-Button (A)

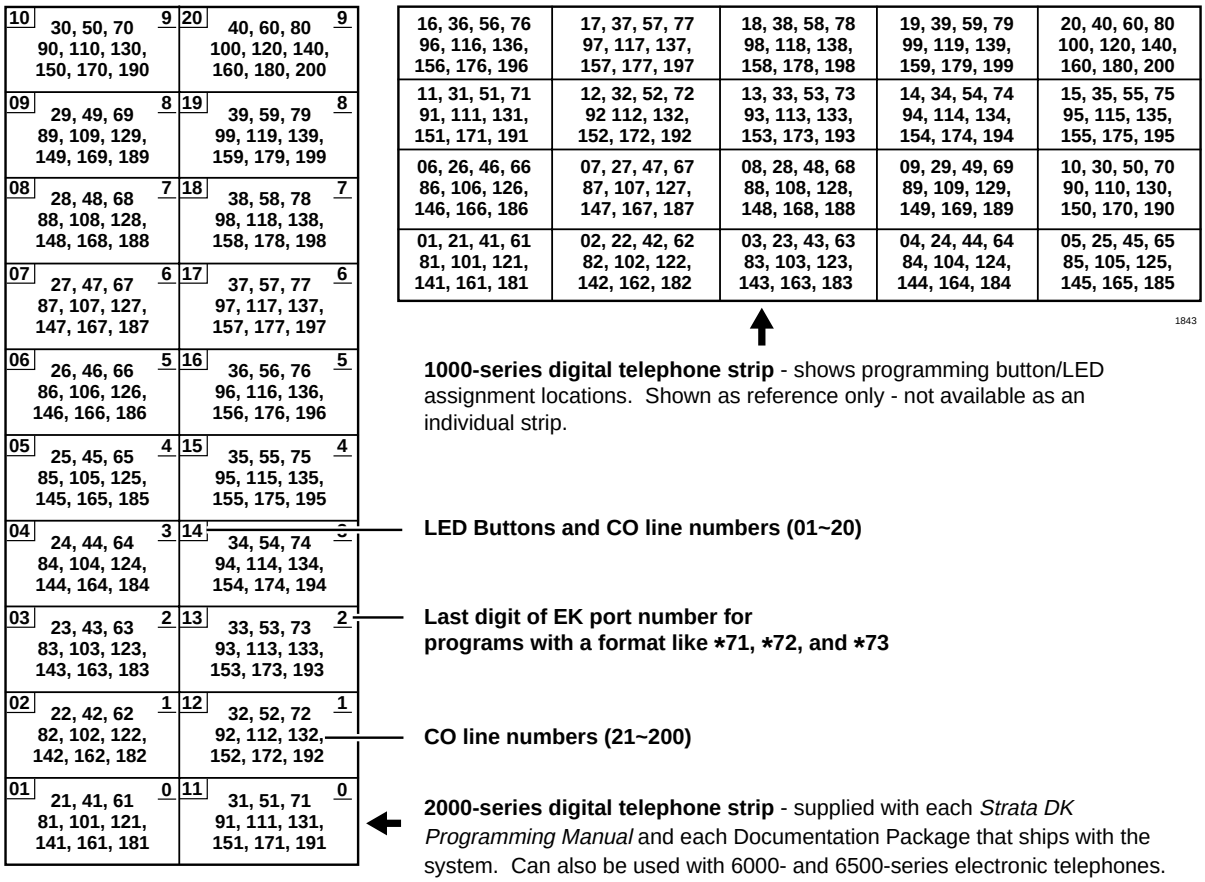
CO9	MW/FL[1]
CO8	Do Not Disturb
CO7	SD14
CO6	SD13
CO5	SD12
CO4	SD11
CO3	SD10
CO2	CO12
CO1	CO11
[PDN]	CO10

Code 32 – 20-Button (B)

SD10	MW/FL[1]
CO8	Do Not Disturb
CO7	SDS
CO6	RDL
CO5	PAU
CO4	SD15
CO3	SD14
CO2	SD13
CO1	SD12
[PDN]	SD11

Code 33 – 20-Button (C)

1. The **Speed Dial** button is the same as the **SDS** or **REP** buttons in previous Strata systems (Program 39, Code 97). Also, if changing PEKU PCBs (electronic telephone) to PDKU PCBs (digital telephone), or vice versa, always check that the **Speed Dial** or **MW/FL** button is set appropriately in Program 39.
2. This button is initialized as **SD10** with RCTUA since there are only 16 CO lines.



Note Button numbers 01~200 on electronic telephones (6000, 6500 series, etc.) are in the same position as shown on the 2000-series digital telephone programming keystrip.

Program *38 – Standard Telephone Ring-Down Destination

Processor Type: *Release 4.0 and higher RCTUs*

Program Type: *Station*

Initialized Default: *Does not assign Ring Down Destination to any port*

*** # * # 1 * 2 * 3 - Spkr * 3 8 Hold - Spkr** ☐☐☐ **#** ☐☐☐ **Hold - Spkr # # Hold - Spkr # # Hold**

SELECT = Standard Telephone Logical Port Number

Enter the port number of the station that needs a Ring Down Destination assigned.

To add a port range, enter XXX*XXX (low port * high

FORWARD TO TEL = Port Number

Enter the port number of the [PDN], [PhDN] or DH [DN] that should ring when the Ring-Down Timer (Program 12-1) expires.

Processor	[PDN] Port Range	[PhDN] Port Range	DH Group Ports
DK14	N/A	N/A	900~915
DK40i	N/A	N/A	900~915
RCTUA	000~031	500~531	900~915

Processor	[PDN] Port Range	[PhDN] Port Range	DH Group Ports
RCTUBA/BB	000~079	500~579	900~915
RCTUC/D	000~239	500~739	900~915
RCTUE/F	000~335	500~835	900~915

Port	Forward to Tel Port	Port	Forward to Tel Port	Port	Forward to Tel Port	Port	Forward to Tel Port

Program 39 – Flexible Button Assignments

Processor Type: *DK14, DK40i, All RCTUs*

Program Type: *Station*

Initialized Default: *See Program 38*

*** # * # 1 * 2 * 3 - Spkr 3 9 Hold - Spkr [ ][ ][ ] # [■] [ ][ ] Hold - Spkr # # Hold - Spkr # # Hold**

SELECT = Port Number

Enter the port number(s) to which class of service must be assigned. To add a port range, enter XXX*XXX (low port * high port).

Press LED Button to be defined.

Code

Port No. ______		10 ❑ 20 ❑	LCD ❑ DIU ❑
Location:			
Button	Code	Button	Code
10		20	
09		19	
08		18	
07		17	
06		16	
05		15	
04		14	
03		13	
02		12	
01		11	

Port No. ______		10 ❑ 20 ❑	LCD ❑ DIU ❑
Location:			
Button	Code	Button	Code
10		20	
09		19	
08		18	
07		17	
06		16	
05		15	
04		14	
03		13	
02		12	
01		11	

Port No. ______		10 ❑ 20 ❑	LCD ❑ DIU ❑
Location:			
Button	Code	Button	Code
10		20	
09		19	
08		18	
07		17	
06		16	
05		15	
04		14	
03		13	
02		12	
01		11	

Port No. ______		10 ❑ 20 ❑	LCD ❑ DIU ❑
Location:			
Button	Code	Button	Code
10		20	
09		19	
08		18	
07		17	
06		16	
05		15	
04		14	
03		13	
02		12	
01		11	

Port No. ______		10 ❑ 20 ❑	LCD ❑ DIU ❑
Location:			
Button	Code	Button	Code
10		20	
09		19	
08		18	
07		17	
06		16	
05		15	
04		14	
03		13	
02		12	
01		11	

Port No. ______		10 ❑ 20 ❑	LCD ❑ DIU ❑
Location:			
Button	Code	Button	Code
10		20	
09		19	
08		18	
07		17	
06		16	
05		15	
04		14	
03		13	
02		12	
01		11	

Port No. ______		10 ❑ 20 ❑	LCD ❑ DIU ❑
Location:			
Button	Code	Button	Code
10		20	
09		19	
08		18	
07		17	
06		16	
05		15	
04		14	
03		13	
02		12	
01		11	

Port No. ______		10 ❑ 20 ❑	LCD ❑ DIU ❑
Location:			
Button	Code	Button	Code
10		20	
09		19	
08		18	
07		17	
06		16	
05		15	
04		14	
03		13	
02		12	
01		11	

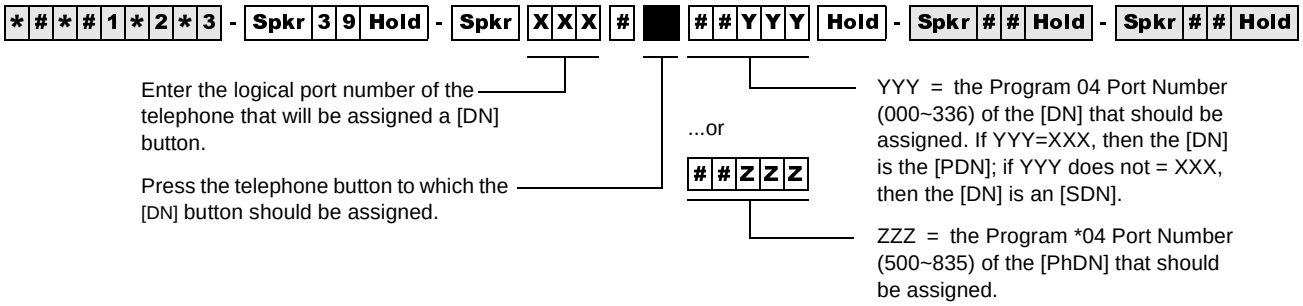
Port No. ______		10 ❑ 20 ❑	LCD ❑ DIU ❑
Location:			
Button	Code	Button	Code
10		20	
09		19	
08		18	
07		17	
06		16	
05		15	
04		14	
03		13	
02		12	
01		11	

Port No. ______		10 ❑ 20 ❑	LCD ❑ DIU ❑
Location:			
Button	Code	Button	Code
10		20	
09		19	
08		18	
07		17	
06		16	
05		15	
04		14	
03		13	
02		12	
01		11	

Port No. ______		10 ❑ 20 ❑	LCD ❑ DIU ❑
Location:			
Button	Code	Button	Code
10		20	
09		19	
08		18	
07		17	
06		16	
05		15	
04		14	
03		13	
02		12	
01		11	

Port No. ______		10 ❑ 20 ❑	LCD ❑ DIU ❑
Location:			
Button	Code	Button	Code
10		20	
09		19	
08		18	
07		17	
06		16	
05		15	
04		14	
03		13	
02		12	
01		11	

Directory Number Button Assignments



Button Type	Button Labels	Code	Notes
Primary Directory Numbers [PDNs] 4-Maximum of same [PDN] per telephone	[PDN] NNNN - 1, Highest button [PDN] NNNN - 2, next highest [PDN] NNNN - 3, next highest [PDN] NNNN - 4, Lowest button	##YYY ##YYY ##YYY ##YYY	YYY = the Program 04 station logical port number of the [DN] that should appear as a [PDN]. YYY should be the same port number as the port number (XXX) of the telephone to which the [PDN] is assigned. NNNN is the actual [DN] assignment for Port YYY in Program 04.
Secondary Directory Numbers [SDNs] 16 total [PDNs] + [SDNs]; 4-Maximum of same [SDN] per telephone	[SDN] NNNN - 1, Highest button [SDN] NNNN - 2, next highest [SDN] NNNN - 3, next highest [SDN] NNNN - 4, Lowest button	##YYY ##YYY ##YYY ##YYY	YYY = the Program 04 station logical port number of the [DN] that should appear as a [SDN]. YYY should not be the same port number as the port number (XXX) of the telephone on which the [SDN] is assigned. NNNN is the actual DN assignment for Port YYY in Program 04.
Phantom Directory Numbers [PhDNs] 8-Maximum unique [PhDNs] 1-Maximum of same [PhDN] per telephone	[PhDN] NNNN	##ZZZ	ZZZ = the Program ∗04 Port ref. number of the [PhDN]. NNNN is the actual [DN] assignment for Port ZZZ in Program ∗04. Each [PhDN] must have an owner telephone assigned in Program *33. If an owner is not assigned, the [PhDN] can originate but cannot receive calls.
Phantom Directory Number Message Waiting button [PhDN] 4- maximum [PhDN/MW] per telephone	[PhDN/MW] - 1 Lowest [PhDN] [PhDN/MW] - 2 Next Highest [PhDN/MW] - 3 Next Highest [PhDN/MW] - 4 Highest [PhDN]	423 424 425 426	Message Waiting Key for [PhDNs] assigned to telephone. Telephone must be assigned as [PhDN] owner in Program *33 to allow it to be equipped with a [PhDN/MW] button.

Directory Number Programming Example

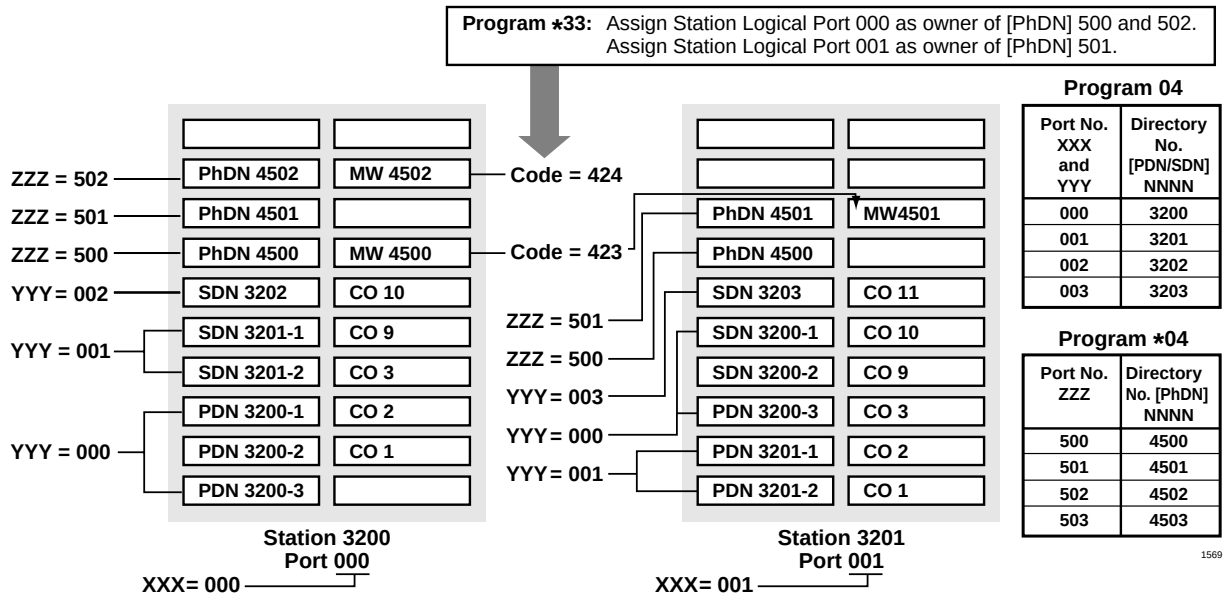


Table 1 Feature Button Codes for Digital, Electronic, and Strata AirLink Wireless Telephones

Button Function	Button Labels	Code	Notes
Account Code	Account Code or ACCNT	450	Allows a Voluntary Account Code entry.
Alarm[1]	Alarm Reset or ALRM	477	Resets alarm condition system-wide.
Alert Signaling (see following pages)[1]			
All Call Voice Page	All Call Page or AC	489	Pages up to 120 idle electronic or digital telephones over speaker.
Automatic Busy Redial	Auto Busy Redial or ABR	470	Sets ABR of busy outgoing number.
Automatic Callback Busy	Auto Callback or ACB	494	Sets ACB for station recalled by busy line.
Background Music[1]	Tel Set Music or BGM	478	Turns BGM ON or OFF through station speaker.
Call Forward All Calls	Call Frwd All Calls or CFAC	487	All calls forward to selected station.
Call Forward A.C. Fixed	Call Frwd to: or CFF	486	Forwards all calls to pre-defined destination. See Program 36.
Call Forward Busy	Call Frwd Busy or CFB	459	Forwards calls to selected station if station is busy.
Call Forward Busy/No Answer	Call Frwd Busy/NAns or CFB/NA	457	Forwards calls to selected station if station is busy or does not answer.
Call Forward External	Call Frwd External or CF-EXT	460	Forward calls externally.
Call Forward No Answer	Call Frwd No Answer or CFNA	458	Forwards calls to selected station if station does not answer.
Call Park[2]	Park in Orbit or PARK (R3)	464	Call Park Only.
Call Park LCD Display[1]	Park Orbit DIsplay or CPD (R3)	465	CP Display Button and Mode 64 can be used interchangeably. Displays call parked via telephone LCD.
Call Park and Page	Call Park/Page or CP/PG (R3)	463	Parking and Paging Park Pickup.
Call Pickup (Directed)	Directed Pickup or PKUP	484	Picks up ringing or held intercom, trunk calls, and page.
Call Pickup Tenant 4[3]	PKUP 4	435	Picks up tenant's ringing CO calls. See Program ∗15 for Tenant Group assignments.
Call Pickup Tenant 3[3]	PKUP 3	436	
Call Pickup Tenant 2[3]	PKUP 2	437	
Call Pickup Tenant 1[3]	PKUP 1	438	
Call Pickup (Group)[2]	Group Pickup	480	Picks up a call to any group to which station is assigned in ∗31.
Unanswered Caller ID and/or ANI Stored Number Auto Dial[1]	Lost Call Auto Dial (R3) or LCAD	462	Will Auto Dial a Caller ID and/or Automatic Number Identification (ANI) telephone number that was stored in station Caller ID/ANI memory.

Table 1 Feature Button Codes for Digital, Electronic, and Strata AirLink Wireless Telephones *(continued)*

Button Function	Button Labels	Code	Notes
CO Line Appearance	Line 1~200 or CO 001~CO 200	001~ 200	CO line access of appearing calls.
Data[1]	Data Call or DATA	456	Used to place data call.
Data Release[1]	Data Release or DRLS	454	Releases data call.
Direct Station Selection	DSS	#000~ #239	Assigns DSS hotline keys to port number.
Directory Numbers (see following pages)			
Do Not Disturb[4]	Do Not Disturb or DND	498	Prevents calls to station.
Door Lock 0 ~4 (DDCB/ HDCB)[1]	Unlock Door 0 or DRLK 0 Unlock Door 1 or DRLK 1 Unlock Door 2 or DRLK 2 Unlock Door 3 or DRLK 3 Unlock Door 4 or DRLK 4	471 472 473 474 475	Momentarily unlocks door (3 or 6 seconds). See Program 77-1 and 77-2.
Handset Off-Hook Call Announce[1]	HS-OCA	468	Activates 2-way voice path to Off-Hook Call Announce caller. (R3)
ISDN Sub-address	Sub-address	467	Separates the called party's ISDN sub-address from the called party number. The **#** digit performs this function on standard telephones.
ISDN Start	Start	469	Initiates DK to send dialed digits to the ISDN network when this button is pressed from a digital or electronic telephone. Program *63-2 invokes the same function when the Dial Timer expires. Also see Tone Button in this table.
LCD Message Select	LCD Msg Select or LCD M	481	Begins LCD message selection.
Message Waiting and Flash	Msg Wait, Flash or MW/FL	499	Provides message waiting LED for EKT and Flash Button.
Microphone Cutoff[5]	Microphn Cut-off or MCO	488	Sets microphone ON/OFF for incoming handsfree Directory Number [DN] calls.
Modem[1]	Modem or MODEM	455	Used to reserve modem in modem pool.
Night Transfer Tenant 1[3]	Night Transfer1 or NT1	439	Sets Tenant CO line DAY/NIGHT ring mode.
Night Transfer Tenant 2[3]	Night Transfer2 or NT2	440	
Night Transfer Tenant 3[3]	Night Transfer3 or NT3	441	
Night Transfer Tenant 4[3]	Night Transfer4 or NT4	442	
Night Transfer Lock Tenant 1	Night Lock1 or NT1 L1	431	Available with RCTUA3, RCTUBA3/RCTUBB3 or RCTUC/D3 Release 3 or above only. Used to lock system ringing mode: DAY, DAY2, NIGHT See Programs 74 and ✱36 for NT Lock Password assignments.
Night Transfer Lock Tenant 2	Night Lock2 or NT2 L2	432	
Night Transfer Lock Tenant 3	Night Lock3 or NT3 L3	433	
Night Transfer Lock Tenant 4	Night Lock4 or NT4 L4	434	
Pause[1]	Spd Dial Pause or PAU	495	Sets pause in Speed dial See Program 12-3.
Pause (Long)[1]	Spd Dial Lng Pause or PAU/L	493	Sets a 10-second pause in Speed Dial.
Pooled Line	Pooled Line Grp or PL	301~ 316	Multiple CO line may appear under one button.
Privacy	Privacy On Line or PRIV	453	Prevents Privacy Override (not Executive Override).
Privacy Release	Privacy Release or PRV RLS	479	Changes station Privacy mode to Non-private for CO lines.
Redial Last Number (**#** Button)	Redial or RDL	496	Redials the last number.
Release to Idle	Release Call or RLS	476	Releases current call and makes station idle.
Release and Answer	Release and Ans or RLS/ANS	466	Simulates On-hook/Off-hook operation to release an existing call and answer new incoming/ringing call.
Save Last Dialed Number	Save Last Number on SAVE	485	Saves last number dialed for future speed dial.
Speed Dial Select (✱ Button)[6]	Speed Dial or SDS	497	Begins speed dial selection.
Station Speed Dial Codes[6]	SD (All DK systems)		Reserves button for station speed dial. Station Speed Dial code ranges vary per processor:
		✱10~ ✱49	DK14, DK40i, RCTUA
		✱10~ ✱49	RCTUBA/BB, RCTUC/D
		✱100~ ✱139	RCTUE/F

Table 1 Feature Button Codes for Digital, Electronic, and Strata AirLink Wireless Telephones *(continued)*

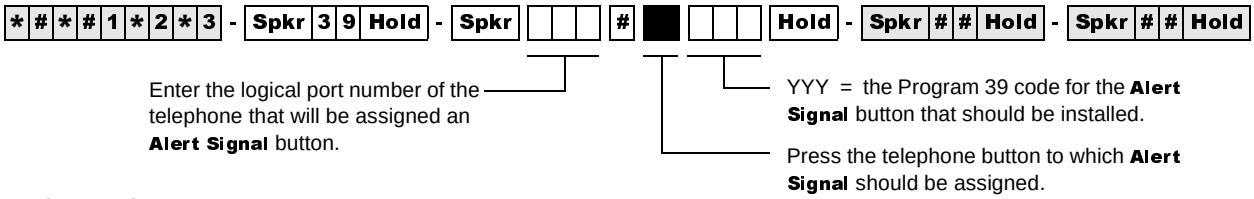
Button Function	Button Labels	Code	Notes
System Speed Dial Codes[6]	SD		Speed dial number set by station port 000. System Speed Dial code ranges vary per processor:
		✱60~ ✱99	DK14, DK40i, RCTUA
		✱600~ ✱699	RCTUBA/BB, RCTUC/D
		✱200~ ✱999	RCTUE/F
Tone[1]	Tone Dial Select or TONE	490	CO dial signals set to tone or pulse.

1. Unavailable to Strata AirLink handsets (RWIU/WWIS interface).
2. Picks up calls to telephones in any call pickup group to which the telephone is assigned in Program *31.
3. See Program *15 for Tenant Group assignments.
4. The Strata AirLink handset (RWIU/WWIS interface) displays DND, but no warning tone is enabled for Executive or Busy Override.
5. The Strata AirLink handset (RWIU/WWIS interface) has mute only.
6. Both wireless system handsets (RWIU and Base Station Interface Adapter) only have an internal memory Speed Dial capability.

The Strata AirLink “call” button is set using Program 39, key 01. It must be set as the PDN of the handset.

Strata AirLink handset buttons 1~6 when used with the FCN button are set using Program 39, keys 02~07 respectively.

Alert Signal Button Assignments



Station Number: _____

Alert Signal Button		Button Number (01~20)	Speed Dial Number	Alert Signal Button Partner Station Number
No.	Code			
1	427			
2	428			
3	429			
4	430			

Station Number: _____

Alert Signal Button		Button Number (01~20)	Speed Dial Number	Alert Signal Button Partner Station Number
No.	Code			
1	427			
2	428			
3	429			
4	430			

Program *40 – Distributed Hunt Group Member Assignments

Processor Type: *DK14, DK40i, all RCTUs*

Program Type: *Station*

Initialized Default: *No member (station port) assigned to any DH Group*

* # * # 1 * 2 * 3 - Spkr * 4 0 Hold - Spkr ☐☐☐ ☐☐ ☐☐☐ Hold - Spkr # # Hold - Spkr # # Hold

SELECT = Distributed Hunt (DH) Group Number (see legend)

Hunt order (01~32)

DATA = Hunt Port Number

When editing the data field, use LED Button 01 to delete a number.

Processor	DH Port Range	Hunt Port Range
DK14	900~915	000~009
DK40i	900~915	000~027
RCTUA	900~915	000~031

Processor	DH Port Range	Hunt Port Range
RCTUBA/BB	900~915	000~079
RCTUC/D	900~915	000~239
RCTUE/F	900~915	000~335

DH Port (900~915)	Hunt Order (01-32)	Hunt Port Number	DH Port (900~915)	Hunt Order (01-32)	Hunt Port Number	DH Port (900~915)	Hunt Order (01-32)	Hunt Port Number

Program *41 for DK424 – T1 Assignment Series (Part 1)

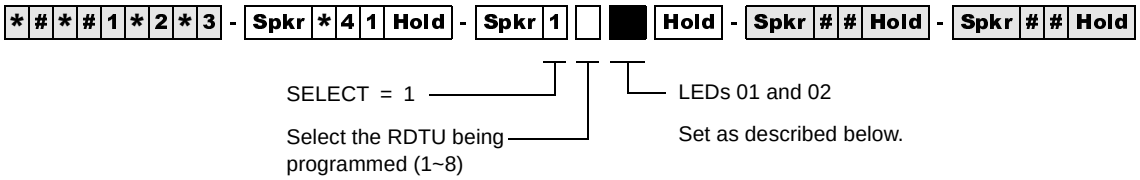
Processor Type: *RCTUBA/BB, RCTUC/D and RCTUE/F*

Program Type: *System*

Initialized Default: *See each program*

Program *41-1 – T1 Span (RDTU) Frame and Line Code Assignments

Initialized Default: *LED 01 and LED 02 OFF for all T1 span lines*



T1 Span	Extended Superframe LED 01 ON	Superframe LED 01 OFF	B8ZS LED 02 ON	AMI Code LED 02 OFF
1 RDTU				
2 RDTU				
3 RDTU				
4 RDTU				
5 RDTU				
6 RDTU				
7 RDTU				
8 RDTU				

Program *41-2 – T1 Channel Assignments

Initialized Default: *1 = Loop Start*

More channels

* # * # 1 * 2 * 3 - Spkr * 4 1 Hold - Spkr 2 [ ] [ ][ ] # [ ] Hold - Turn System Power OFF (5 sec) then

or...

Run Program 91-2

SELECT = 2

Enter the RDTU being programmed (1~8).

Enter the RDTU channel number (01~24) to be assigned a line type.

To add a port range, enter XXX*XXX (low port * high port).

Enter the line type to be assigned to the RDTU channel:

1 = Loop Start (initialized)
2 = Ground Start
3 = Tie (immediate)
4 = Tie (Wink)
5 = DID (immediate)
6 = DID (Wink)

See Programs 17 and 71 for other Tie/DID assignments;.

See Program *17 and Program *09 for other DID assignments.

Processor	Line Range
RCTUBA/BB	001~048
RCTUC/D	001~144
RCTUE/F	001~200

RDTU:___________ **Slot:**___________

RDTU Channel No.	Line Type
1	
2	
3	
4	
5	
6	
7	
8	
9	
10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	
21	
22	
23	
24	

RDTU:___________ **Slot:**___________

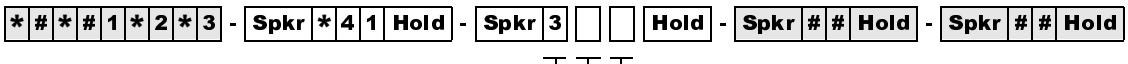
RDTU Channel No.	Line Type
1	
2	
3	
4	
5	
6	
7	
8	
9	
10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	
21	
22	
23	
24	

RDTU:___________ **Slot:**___________

RDTU Channel No.	Line Type
1	
2	
3	
4	
5	
6	
7	
8	
9	
10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	
21	
22	
23	
24	

Program *41-3 – T1 Span Transmit Level Pad Assignments

Initialized Default: *5 (-6dB)*



SELECT = 3

Enter the RDTU being programmed (1~8).

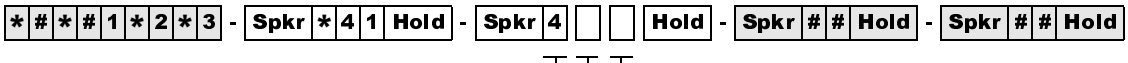
Enter one of the following pad codes for the transmission of path:

1 = +6 dB pad
2 = +3 dB pad
3 = 0 dB pad
4 = -3 dB pad
5 = -6 dB pad (Initialized: PAD_S = 5)
6 = -9 dB pad
7 = -12 dB pad
8 = -15 dB pad

RDTU No.	1	2	3	4	5	6	7	8
PAD Code								

Program *41-4 – T1 Span Receive Level Pad Assignments

Initialized Default: *4 (-3dB)*



SELECT = 4

Enter the RDTU being programmed (1~8).

Enter one of the following pad codes for the transmission of path:

1 = +6 dB pad
2 = +3 dB pad
3 = 0 dB pad
4 = -3 dB pad
5 = -6 dB pad (Initialized: PAD_R = 4)
6 = -9 dB pad
7 = -12 dB pad
8 = -15 dB pad

RDTU No.	1	2	3	4	5	6	7	8
PAD Code								

Program *42 for DK424 – T1 Assignment Series (Part 2)

See “Program *42 – Clock Source” on Page 162.

Program *50 – Caller ID Circuit Assignments to CO Line PCBs

Processor Type: *DK14, DK40i, All RCTUs*

Program Type: *System*

Initialized Default: *No RCIU/RCIS circuits assigned*

Processor	CO Line Range
DK14	001~004
DK40i	001~012
RCTUA	001~016
RCTUBA/BB	001~048
RCTUC/D	001~144
RCTUE/F	001~200

Run Program 91-2

System power must be cycled or Program 91-2 must be run after completing *50 data entry to transfer data from temporary memory to working memory.

CIUNO = RCIU/RCISU Caller ID circuit number (001~200) or use LED Button 01 to erase data. For DK14, enter the Caller ID interface box line number (001~004).

Any Caller ID circuit can be assigned to any analog ground or loop start CO line circuit. Circuit numbers do not have to match.

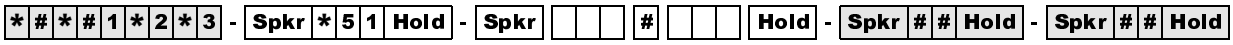
CO Line Number	RCIU/RCIS Circuit Number Assigned	CO Line Number	RCIU/RCIS Circuit Number Assigned	CO Line Number	RCIU/RCIS Circuit Number Assigned

Program *51 – Station Memory Allocation for Storing Caller ID/ANI Numbers on Abandoned/ Unanswered Calls

Processor Type: *DK14, DK40i, All RCTUs*

Program Type: *Station*

Initialized Default: *No memory for all ports*



Processor	Station Ports
DK14	000~007
DK40i	000~027
RCTUA	000~031
RCTUBA/BB	000~079
RCTUC/D	000~239
RCTUE/F	000~335

To add a port range, enter XXX✱XXX (low port ✱ high port).

BUF = 000, 010, 020, 030, 040, 060, 070, 080, 090 or 100.

This is the number of telephone numbers that can be stored at the designated port(s). The maximum Caller ID/ANI numbers that can be stored per telephone is 100.

IDL = Total number of Caller ID/ANI Telephone Numbers Available in each system

DK14	200
DK40i	200
RCTUA	200
RCTUBA/BB	400
RCTUC/D	1000
RCTUE/F	2000

Station Logical Port Number	Memory Allocation (100 max each)	Station Logical Port Number	Memory Allocation (100 max each)	Station Logical Port Number	Memory Allocation (100 max each)

Program *52 – Caller ID/ANI Abandoned Call Number Station Owner Assignments

Processor Type: *DK14, DK40i, All RCTUs*

Program Type: *Station*

Initialized Default: *No station owners assigned*

`* # * # 1 * 2 * 3` - `Spkr * 5 2 Hold` - `Spkr` `_ _ _` `#` `_ _ _` `Hold` - `Spkr # # Hold` - `Spkr # # Hold`

SELECT = Caller ID or ANI CO Line Number

To add a range of line numbers, enter XXX✱XXX (low port ✱ high port).

CLASS OWNER = the station port number that should store Abandon Call Numbers for the Caller ID or ANI CO Line(s) entered.

Press LED Button 01 to erase data.

Processor	CO Line Range	[PDN] Port Range
DK14	001~004	000~009
DK40i	001~012	000~027
RCTUA	001~016	000~031

Processor	CO Line Range	[PDN] Port Range
RCTUBA/BB	001~048	000~079
RCTUC/D	001~144	000~239
RCTUE/F	001~200	000~335

CLID/ANI CO Line Number	Station Owner Port Number Assigned	CLID/ANI CO Line Number	Station Owner Port Number Assigned	CLID/ANI CO Line Number	Station Owner Port Number Assigned	CLID/ANI CO Line Number	Station Owner Port Number Assigned

Program 58 – DK424 Attendant Console Series (Part 1)

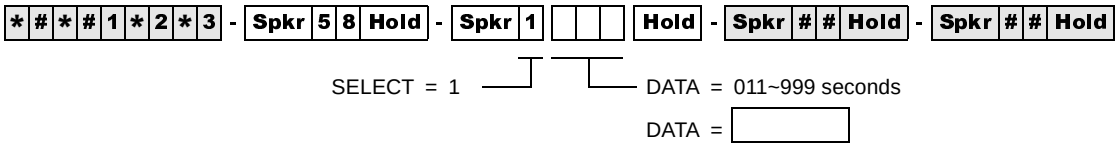
Processor Type: *RCTUBA/BB, RCTUC/D and RCTUE/F*

Program Type: *Station*

Initialized Default: *see each program*

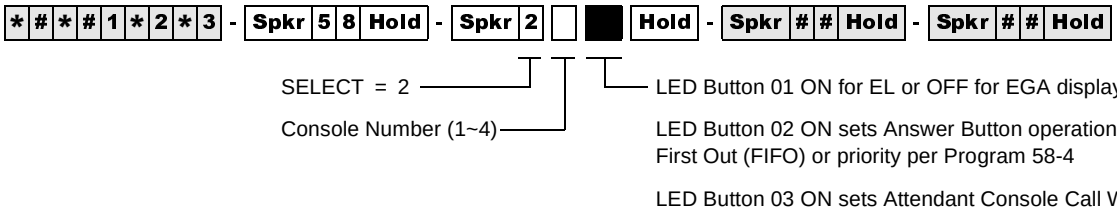
Program 58-1 – Attendant Console Overflow Timer

Initialized Default: *32 seconds*



Program 58-2 – Attendant Console Display Type

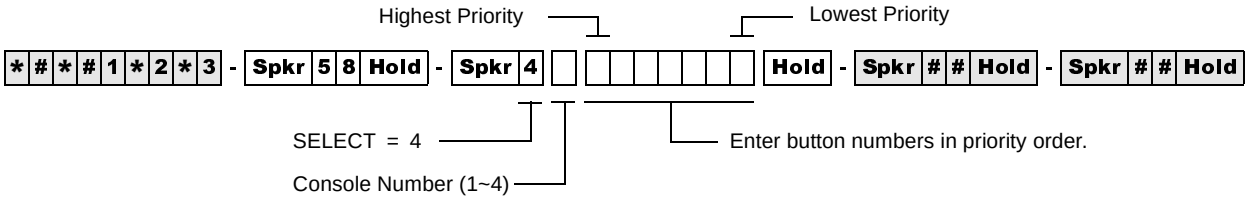
Initialized Default: *All LEDs OFF*



Attendant Console	Button 01 LED		Button 02 LED		Button 03 LED	
	ON (EL)	OFF (EGA)	ON (FIFO)	OFF (58-4)	ON (Call Waiting Tone)	OFF (No Call Waiting Tone)
1						
2						
3						
4						

Program 58-4 – Attendant Console Answer Button Priority Assignments

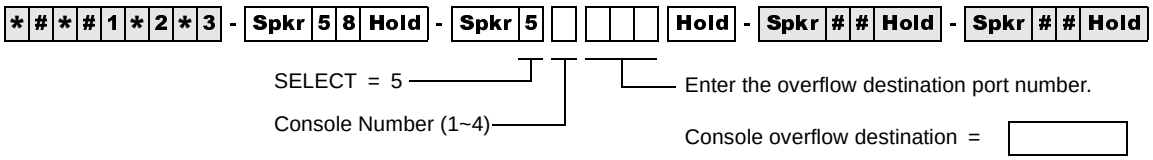
Initialized Default: *0, 1, 2, 3, 4, 5, 6*



Button Name	Park-RC	Trans RC	Hold-RC	In-Trans	LINE	In Dial "O"	[PDN]
Button Number	0	1	2	3	4	5	6

Program 58-5 – Attendant Console Overflow Destination Assignments

Initialized Default: *Blank*



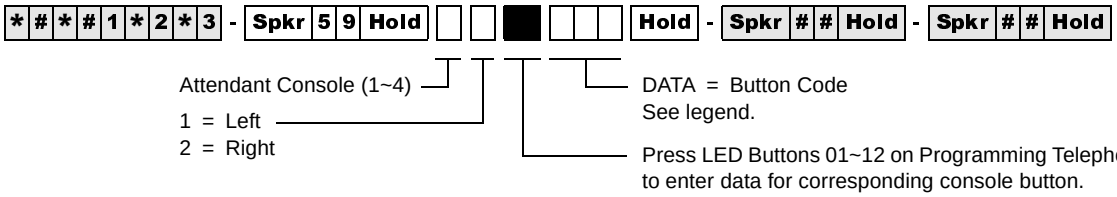
Processor	[PDN] Port Range	Max. Consoles
RCTUBA/BB	000~079	2
RCTUC/D	000~239	4
RCTUE/F	000~335	4

Program 59 – Attendant Console Flexible Button Codes

Processor Type: *RCTUBA/BB, RCTUC/D, RCTUE/F*

Program Type: *Station*

Initialized Default: *Given throughout this section*



Codes (Left Buttons 1~12)

Split (295)	Join Loop (239)	Sup. Loop (296)
In-Emrg (261)	In-DN (257)	In-Dial “0” (262)
In-Trans (258)	Trans-RC (260)	Hold-RC (259)
In-LG3 (243)	In-LG2 (242)	In-LG1 (241)

Codes (Right Buttons 1~12)

Conf (297)	Overflow (299)	Night (439)
Redial (496)	Spdial (497)	SD13 (*13)
BLF (298)	Out Dial (294)	SD12 (*12)
Attd Call (000)	SD10 (*10)	SD11 (*11)

Console 1

Left

10		11		12	
07		08		09	
04		05		06	
01		02		03	

Right

10		11		12	
07		08		09	
04		05		06	
01		02		03	

Console 2

Left

10		11		12	
07		08		09	
04		05		06	
01		02		03	

Right

10		11		12	
07		08		09	
04		05		06	
01		02		03	

Console 3

Left

10		11		12	
07		08		09	
04		05		06	
01		02		03	

Right

10		11		12	
07		08		09	
04		05		06	
01		02		03	

Console 4

Left

10		11		12	
07		08		09	
04		05		06	
01		02		03	

Right

10		11		12	
07		08		09	
04		05		06	
01		02		03	

Table 2 Required PC Attendant Console Button Codes

Button Function	Button Labels	Code	Notes
Conference	Conf	297	Starts conference calls.
Hold Recall	Hold-RC	259	Held calls recall on this button.
Incoming Dial “0”	In-Dial “0”	262	Dial “0” calls ring in on this button.
Incoming Directory Number	In-DN	257	Incoming calls to the console DN ring on this button. The console [DN] is the Prog 04 assignment of the Prog 04 console port number.
Incoming Ring Transfer	In-Trans	258	Receive call transfer.
Join-Loop	Join-Loop	293	Connects any held call to an existing call.
Out Dial	Out Dial	294	Switches ATTD consoles dial pad from digital to tone mode.
Redial Last Number (# Button)	Redial or RDL	496	Redials the last number.
Release to Idle	Release Call or RLS	476	Releases current call and makes station idle.
Speed Dial Select (* Button)	Speed Dial or SDS	497	Begins speed dial selection.
Split Call	Split	295	Allows attendant to talk to either party separately on a conference call.
Supervised Loop	Sup Loop	296	Places call on attendant hold loop key so attendant can supervise call.
Transfer Recall	Trans-RC	260	No answer transferred calls, recall on this button.
Attendant Call	Attd Call	000	Can originate calls on this button. The Attendant Call LED is lit red any time the attendant talk path is connected.

Table 3 Recommended PC Attendant Console Button Codes

Button Function	Button Labels	Code	Notes
Display BLF	BLF	298	Displays BLF on CRT or EL display.
Incoming Emergency	In-Emrg	261	Indicates to all consoles an incoming emergency call.
Message Waiting/Flash	Msg Wait, Flash or MW/FL	499	Indicates a message from station or VM device to Attendant. Disconnects and recalls dial tone on CO line; accesses Centrex or PBX features; enters pause or flash during speed dial programming.
Overflow	Overflow	299	Places console in the call overflow mode.
Park Recall	Park-RC	263	Parked calls recall on this button.

Table 4 Incoming Line Group Button Assignments

In-LG1~241	In-LG5~245	In-LG9~249	In-LG13~253
In-LG2~242	In-LG6~246	In-LG10~250	In-LG14~254
In-LG3~243	In-LG7~247	In-LG11~251	In-LG15~255
In-LG4~244	In-LG8~248	In-LG12~252	In-LG16~256

Table 5 Optional Attendant Console Button Codes

Button Function	Button Labels	Code	Notes
Alarm	Alarm Reset or ALRM	477	Resets alarm condition system-wide.
Call Pickup Tenant 1~Call Pickup Tenant 4	PKUP 1~PKUP 4	435~438	Picks up tenant 3's ringing CO calls.
CO Line Appearance	 Line 1~48 Line 1~144 Line 1~200	 001~048 001~144 001~200	CO line access of appearing calls. CO line ranges vary according to processor: RCTUBA/BB RCTUC/D RCTUE/F
Door Lock 0~Door Lock 4 (DDCB/HDCB)	DRLK 0~4	471~475	Momentarily unlocks door (3 or 6 seconds). The PC attendant activates these options when these buttons are assigned.
Emergency Page Access	Emrg Page	292	Activates ALL CALL Paging to telephone speakers (not EXTR Page). Overrides any existing ALL CALL page.
Night Transfer Tenant 1~Tenant 4	Night Transfer1 or NT1~Night Transfer4 or NT4	439~442	Sets Tenant 1 CO line DAY/NIGHT ring mode.
Privacy	Privacy On Line or PRIV	453	Prevents Privacy Override (not Executive Override).
Privacy Release	Privacy Release or PRV RLS	479	Changes station Privacy mode to Non-private for CO lines.
Pause	Spd Dial Pause or PAU	495	Sets pause in Speed dial (see Program 12-3.)
Pause (Long)	Spd Dial Lng Pause or PAU/L	493	Sets a 10-second pause in Speed Dial.
Unanswered Caller ID and/ or ANI Stored Number Auto Dial	Lost Call Auto Dial or LCAD	462	Will Auto Dial a Caller ID and/or Automatic Number Identification (ANI) telephone number that was stored in station Caller ID/ANI memory.

Table 6 Additional Feature Button Codes

Button Function	Button Labels	Code	Notes
Account Code	Account Code or ACCNT	450	Allows a Voluntary Account Code to be entered.
Alert Signaling	Alert 1~4	427~430	Console can alert another station but another station cannot alert the console. See Program 39 for more information.
All Call Voice Page	All Call Page or AC	489	Pages up to 120 idle electronic or digital telephones over speaker.
Automatic Busy Redial	Auto Busy Redial or ABR	470	Sets ABR of busy outgoing number.
Automatic Callback Busy	Auto Callback or ACB	494	Sets ACB for station recalled by busy line.
Call Forward All Calls	Call Frwd All Calls or CFAC	487	All calls forward to selected station.
Call Forward A.C. Fixed	Call Frwd to: or CFF	486	Forwards all calls to pre-defined destination. See Program 36.
Call Forward Busy	Call Frwd Busy or CFB	459	Forwards calls to selected station if station is busy.
Call Forward Busy/ No Answer	Call Frwd Busy/NAns or CFB/NA	457	Forwards calls to selected station if station is busy or does not answer.
Call Forward External	Call Frwd External or CF-EXT	460	Forward calls externally.
Call Forward No Answer	Call Frwd No Answer or CFNA	458	Forwards calls to selected station if station does not answer.
Call Park	Park in Orbit or PARK	464	Call Park Only.
Call Park LCD Display	Park Orbit DIsplay or CPD	465	CP Display Button and Mode 64 can be used interchangeably. Displays call parked via telephone LCD.
Call Park and Page	Call Park/Page or CP/PG	463	Parking and Paging Park Pickup.
Call Pickup (Directed)	Directed Pickup or PKUP	484	Picks up ringing or held intercom, trunk calls, and page.
Call Pickup (Group)4	Group Pickup	480	Picks up a call to any group to which station is assigned in *31.
Do Not Disturb	Do Not Disturb or DND	498	Prevents calls to station.
ISDN Sub-address	Sub-address	467	Separates the called party's ISDN sub-address from the called party number. The **#** digit performs this function on standard telephones.
ISDN Start	Start	469	Initiates DK to send dialed digits to the ISDN network when this button is pressed from a digital or electronic telephone. Program *63-2 invokes the same function when the Dial Timer expires. Also see Tone Button in this table.
LCD Message Select	LCD Msg Select or LCD M	481	Begins LCD message selection.

Table 6 Additional Feature Button Codes *(continued)*

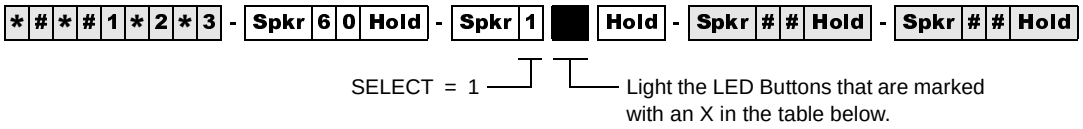
Button Function	Button Labels	Code	Notes
Night Transfer Lock Tenant 1~Night Transfer Lock Tenant 4	Night Lock1 or NT1 L1~Night Lock4 or NT4 L4	431~434	Used to lock system ringing mode: DAY, DAY2, NIGHT See Programs 74 and *36 for NT Lock Password assignments.
Release and Answer	Release and Ans and RLS/ANS	466	Simulates On-hook/Off-hook operation to release an existing call and answer new incoming/ringing call.
Save Last Dialed Number	Save Last Number or SAVE	485	Saves last number dialed for future speed dial.
Station Speed Dial Codes	SD	 *10~*49 *10~*49 *100~*139	Reserves button for station speed dial for the following processors: RCTUBA/BB RCTUC/D RCTUE/F
System Speed Dial Codes	SD	 *600~*699 *600~*699 *200~*999	Speed dial number is set by station port 000. RCTUBA/BB RCTUC/D RCTUE/F
Tone	Tone Dial Select or TONE	490	CO dial signals set to tone or pulse. For ISDN applications, after the user presses the Tone Dial Select button, any digits dialed after it is will be sent using DTMF tones.

Program 60-1 – SMDR Data Output Options

Processor Type: *DK14, DK40i, All RCTUs*

Program Type: *System*

Initialized Default: *LED 01 OFF*



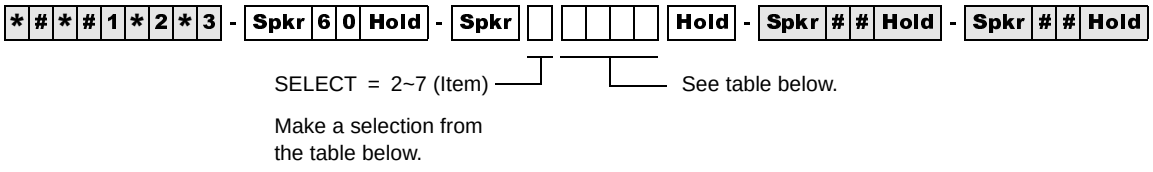
LED/Button	X	LED ON	LED OFF
20			
19			
18			
17			
16			
15			
14			
13			
12			
11			
10			
09			
08			
07			
06			
05			
04			
03			
02			
01		Caller ID, ANI and DNIS data will be sent from the system SMDR port	Account code data will be sent from the system SMDR port

Program 60-2~7 – SMDR Output/Account Code Digit Length

Processor Type: *DK14, DK40i, All RCTUs*

Program Type: *System*

Initialized Default: *Item 2: 10 seconds*
Item 3: SMDR output is enabled for answered incoming/outgoing calls
Item 4: a 6-digit length is assigned to all Forced/Voluntary Account Codes
Item 7: 21 digits



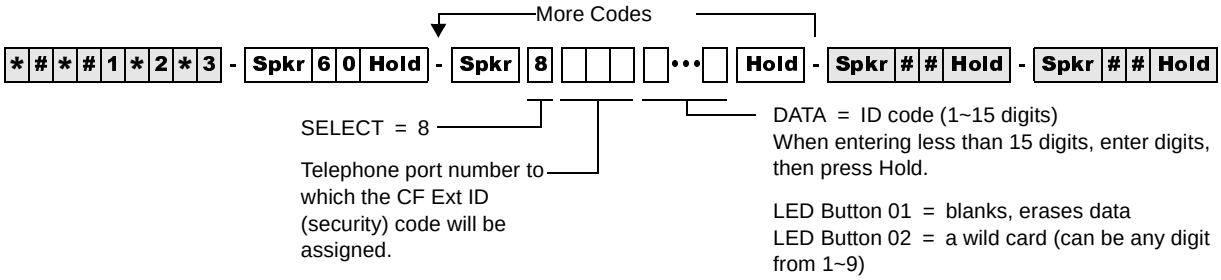
Item	Description	Data
2	**SMDR Threshold Time** 0 =1 second 1 = 10 seconds	**Time**
3	**SMDR Output when a call is completed** 0 = Outgoing Only 1 = Incoming and Outgoing	**SMDR COR**
4	**Forced/Voluntary Account Code Digit Length 04~15** (See Program 69 for Verified Account Codes) Digits are verified per Program 30, Button/LED 14 and Program 69	**Account**
5	**SMDR Printout Options** **Toll Dial:** 0 = All Calls (item 3, printout outgoing call only is still available) 1 = Dial “0” calls only 2 = Dial “1” calls only 3 = Dial “00” calls only 4 = Dial “1”, “0” calls only 5 = Dial “1”, “00” calls only	**Toll Dial Data**
6	**DISA Security Code** 01~15 digits, may be changed from station, per Program 30 If a security code is not programmed, outgoing trunk access via DISA will not require a security code when dialing.	**Data** Button 01 = blank Button 02 is wild card (any digit from 1~9)
7	**Credit Card Call Digit Length, 01~30 digits** (see Program 43)	**Credit** Number of digits required when “0” is the first digit dialed; if this number of digits is not dialed, the system will disconnect the call after 20 seconds. “0” is counted as a digit. Example: 0 + 714 + 583 - 3700 = 11 digits; 11 should be programmed as a minimum in this case.

Program 60-8 – Call Forward External (Remote Change, Security) ID Code

Processor Type: *DK14, DK40i, All RCTUs*

Program Type: *System*

Initialized Default: *No digits*



Processor	[PDN] Port Range
DK14	000~009
DK40i	000~027
RCTUA	000~031

Processor	[PDN] Port Range
RCTUBA/BB	000~079
RCTUC/D	000~239
RCTUE/F	000~335

Telephone Port Number	CF/EKT ID Code (1~15 digits)

Telephone Port Number	CF/EKT ID Code (1~15 digits)

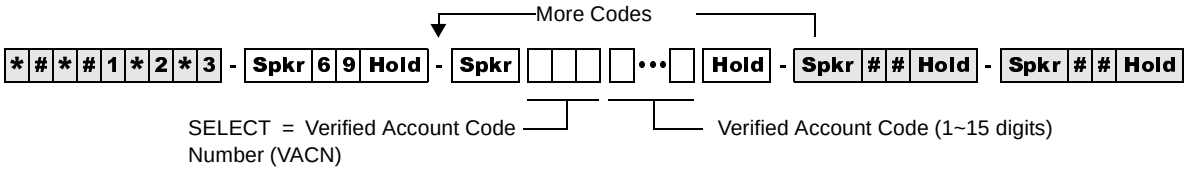
Telephone Port Number	CF/EKT ID Code (1~15 digits)

Program 69 – Verified Account Codes

Processor Type: *DK14, DK40i, All RCTUs*

Program Type: *System*

Initialized Default: *Blank*



Processor	VACN
DK14	000~299
DK40i	000~299
RCTUA	000~299

Processor	VACN
RCTUBA/BB	000~299
RCTUC/D	000~299
RCTUE/F	000~499

Name	VACN (3-digit)	Verified Account Code (1~15 digits)														
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15

Program 70 – Verified Account Code Toll Restriction Assignments

Processor Type: *DK14, DK40i, All RCTUs*

Program Type: *System*

Initialized Default: *000 for all VACNs*

[* # * # 1 * 2 * 3] - [Spkr 7 0 Hold] - [Spkr] [ ][ ][ ] [ ] [ ][ ] [Hold] - [Spkr # # Hold] - [Spkr # # Hold]

SELECT = Verified Account Code Number (VACN)

DATA = VAC Digit Restriction
0 = No Digit Restriction
1 = Digit Restriction

VAC Restrict Code (00~10)

00 =No Station Toll Restriction

01 =Area Code Toll Restriction

02 =Area Code Toll Restriction and 0 or 1 as 1st (or 2nd digit)

03 =Class 1 T.R.07 = Class 5 T.R.

Processor	VACN
DK14	000~299
DK40i	000~299
RCTUA	000~299

Processor	VACN
RCTUBA/BB	000~299
RCTUC/D	000~299
RCTUE/F	000~499

VACN	VAC Digit Restrict Code	VAC Restrict Code

VACN	VAC Digit Restrict Code	VAC Restrict Code

VACN	VAC Digit Restrict Code	VAC Restrict Code