

Strata[®] *DK*

Digital Business Telephone Systems

Electronic Telephone User Guide

(includes LCD and Direct Station Selection Console)

May 2000

Publication Information

Toshiba America Information Systems, Inc., Telecommunication Systems Division, reserves the right, without prior notice, to revise this information publication for any reason, including, but not limited to, utilization of new advances in the state of technical arts or to simply change the design of this document.

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.

DKA-UG-EKTEL-VC
4016150

Version C.4, May 2000
Version C.3, October 1999
Version C.2, May 1999
Version C.1, December 1998
Version C, April 1998
Version B, October 1997
Version A, September 1996

© Copyright 2000 Toshiba America Information Systems, Inc. Telecommunication Systems Division

All rights reserved. No part of this manual, covered by the copyrights hereon, may be reproduced in any form or by any means—graphic, electronic, or mechanical, including recording, taping, photocopying, or information retrieval systems—without express written permission of the publisher of this material.

Strata is a registered trademark of Toshiba Corporation. Strategy is a registered trademark of Toshiba America Information Systems, Inc.

Trademarks, registered trademarks, and service marks are the property of their respective owners.

Contents

Introduction

Organization	viii
Conventions	viii
Action/Response	x
Related Documents/Media	x

Chapter 1 – The Grand Tour

Electronic Telephone Diagram	2
LCD	7
LED Indicators	10
On-hook/Off-hook	11
Volume Controls	11

Chapter 2 – Features

Before You Begin	13
Automatic Line Selection	14
Ringing Line Preference	14
Signaling	14
Quick Reference	15
Making an Internal Call	15
Making an Outside Call	15
Making an Outside Call to an ISDN Trunk	16

Contents

Chapter 2 - Features

On-Hook Dialing	16
Answering Calls	17
Incoming Call Notification	17
Calling a Forwarded [DN]	17
Receiving a Forwarded Call	17
Account Code Calls	18
Forced Account Codes (Verified/Non-Verified)	18
Voluntary Account Codes (Verified/Non-Verified)	18
Alarm Reset	20
Alert Signaling	20
Attendant Console Calling	20
Automatic Busy Redial (ABR)	21
All Call Voice Page	22
Automatic Callback (ACB)	23
Automatic Hold	24
Background Music (BGM)	24
Call Forwarding	25
Access Codes	25
LCD Telephones	25
Call Forward–All Calls	26
Call Forward–Busy	26
Call Forward–No Answer	27
Call Forward–Busy/No Answer	28
Call Forward–Fixed	30
Call Forward–External	30
Call Forward Remote Destination Change	31
Call Park Orbits	32
Call Park and Page	34
Call Pickup	35
Group Pickup	36
Call Transfer with Camp-on	37
Call Waiting	38
Conference Calls	39
Date/Time/Day Adjustment	39
Direct Inward System Access (DISA)	40
Direct Station Selection (DSS)	41

Do Not Disturb (DND)	42
Door Lock	43
Door Phones	43
DTMF Tone Dialing with * and #	45
Emergency Ringdown/Hotline Service	46
Group Listening	46
Handsfree Answerback	47
Handsfree Monitoring	47
ISDN Outgoing Calling	48
Making an Outgoing Call with a Subaddress to an ISDN Trunk	48
Message Waiting	49
Microphone Cut-Off	52
Off-hook Call Announce (OCA)	53
Voice First Signaling	53
Tone Signaling	54
SP-OCA	54
Override Calls	55
Busy Station Override	56
Do Not Disturb Override	56
Executive Override	56
Privacy Override	57
Toll Restriction Override	57
Page Announcements	57
All Call Page	58
Privacy On-Line	58
Privacy Release	58
Release and Answer	59
Saved Number Redial	60
Speakerphone	60
Speed Dial	61
Speed Dial–Advanced Features	63
Speed Dial Pause	66
Speed Dial Number Linking	66
Chain Dialing Speed Dial Numbers	68
Timed Reminders	69
Tone/Pulse Dialing	70

Contents

Chapter 3 - LCD Operation

Two (Tandem) CO Line Connection	70
Voice Mail Integration	74

Chapter 3 – LCD Operation

Control Buttons	79
Busy Lamp Field (BLF) Display	81
Caller ID/ANI/DNIS Information Mode	82
DNIS	82
ANI/Caller ID	82
Call Park Orbit List Display	84
Retrieve and Auto Dial Lost Calls	84
Messages	86
Message Notification	91
Group Notification Station Messaging	93
Silent Messaging (Busy Station)	94
Memos	96
Speed Dial Memos	96
Timed Reminders	98
Name/Number Display	98

Chapter 4 – DSS Console

[DSS] Buttons	102
Features	103
Calling a Station	103
Transferring a Call	103
Answering a (CO Line)	104
Speed Dial	105
Paging	105
Call Forward Override	105
Night Transfer	105

Appendix A – Access Codes

CO Line Access Codes	107
Feature Access Codes	108

Paging Access Codes108
Speed Dial Access Codes110

Appendix B – Centrex Application

Flexible Directory Numbering111
Centrex Feature Buttons111
Ringing Repeat112
Delayed Ringing112

Appendix C – Button Labels

Flexible Buttons113

Index119

Contents

Chapter 4 - Button Labels

Introduction

This guide describes how to use electronic telephones for Strata DK systems. Models covered in this user guide include electronic telephones equipped with a Liquid Crystal Display (LCD) and/or speakerphone. Instructions for the Electronic Direct Station Selection (DSS) Console are included. The Strata DK systems which support this equipment are:

- ♦ DK14
- ♦ DK16e and 16
- ♦ DK40i and 40
- ♦ DK424i, DK424 and DK280 (Release 3.0 or higher)

Note This user guide incorporates the information in the Strata DK *Liquid Crystal Display Electronic Telephone User Guide*. This guide is discontinued.

Organization

- ✦ **Chapter 1 – The Grand Tour** provides an overview of the equipment, buttons, Light Emitting Diodes (LEDs), and LCDs.
- ✦ **Chapter 2 – Features** describes the available electronic telephone features in alphabetical order. Detailed instructions on using each feature are covered.
- ✦ **Chapter 3 – LCD Operation** includes an explanation of the Control button operations. Features which are available only on the LCD electronic telephone are presented alphabetically and include detailed LCD displays.
- ✦ **Chapter 4 – DSS Consoles** describes the DSS Console features and buttons.
- ✦ **Appendix A – Access Codes** provides instructions for programming a sequence of steps or access codes onto feature buttons. It includes CO Line Access Codes, Paging Group Codes, Feature Access Codes (User Programmable Buttons), and Speed Dial Access Codes.
- ✦ **Appendix B – Centrex Application** describes the Centrex features which may be available with your Strata DK system.
- ✦ **Appendix C – Button Labels** lists the feature button designations of the electronic telephone models.

Conventions

Letters in [brackets] represent buttons which have Directory Numbers on them. For example:

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!	<i>Calls attention to important instructions or information.</i>
CAUTION!	Advises you that hardware, software applications, or data could be damaged if the instructions are not followed closely.

Conventions	Description
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.
Helvetica Bold	Represents LCD displays, tokens or custom IVR functions. For example: M () .
“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.
See Figure 10	Grey words within the printed text denote cross-references. In the electronic version of this document (Strata DK Library CD-ROM or FYI Internet download), cross-references appear in blue hypertext.

Introduction

Related Documents and Media

Action/Response

The left column gives you single or numbered steps that you need to perform a procedure.

The right column gives the immediate response to your action. This column also includes additional notes and comments.

Related Documents and 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.

Refer to the following documents for more information:

- ◆ Electronic Telephone Quick Reference Guide
- ◆ PC/Data Interface User Guide
- ◆ System Administrator Guide

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.

This chapter familiarizes you with the controls and indicators located on your electronic key telephone (EKT) (see [“20-Button Electronic Key Telephone with LCD” on Page 2](#)).

Toshiba electronic telephones incorporate state-of-the-art telecommunications technology and provide a vast array of calling features. They are easy to operate, and all features are accessed with a feature button or a brief access code.

If your telephone is equipped with an LCD, information and feature prompting makes call handling more efficient and provides easy access to frequently-used features. Abbreviated feature prompts guide you through specific tasks.

In addition to the standard features, the LCD telephones provide Alphanumeric Messaging, Busy Lamp Field (BLF) Identification, Central Office (CO) Line Identification, Timed Reminders with Messaging, Speed Dial Memo Directory Dialing, User Name/Number, Call Duration, Date/Time of Day displays, and the ability to display names and telephone numbers of outside, incoming callers.

Telephones equipped with a speakerphone, enable you to make and receive outside and internal calls without lifting the handset.

Feature operations in this guide apply to all EKTs, except the 10x and 20x series, connected to a Strata DK system.

Electronic Telephone Diagram

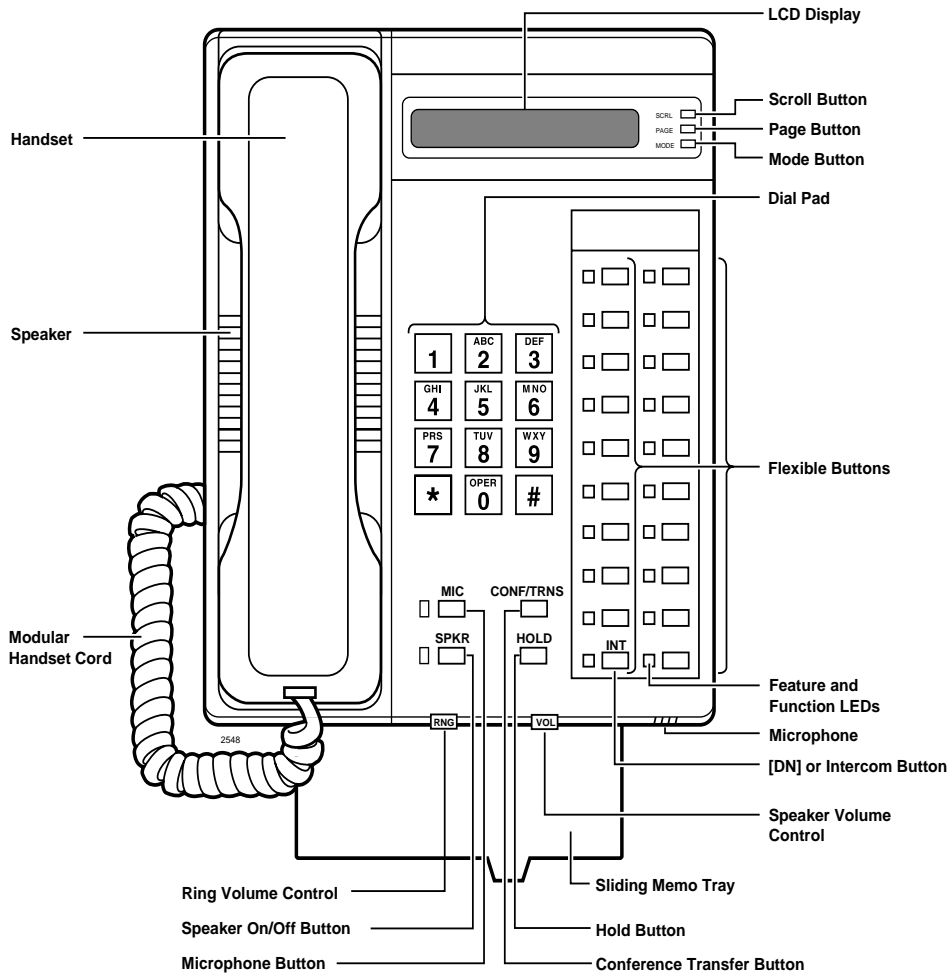


Figure 1 20-Button Electronic Key Telephone with LCD

Buttons

There are two sets of buttons, fixed and flexible. The fixed buttons, such as **MIC**, **HOLD**, **CONF/TRNS**, and **VOL** are shown in Figure 1 on the prior page. The flexible buttons consist of directory numbers (Primary, Secondary, Phantom) and feature buttons. The number of preprogrammed flexible buttons varies by telephone.

Fixed Buttons

The fixed buttons are located below your dial pad and enable you to perform standard functions quickly and easily.

Table 1 Fixed Button Instructions

Button	Instructions
CONF/TRNS (Conference/Transfer)	<ul style="list-style-type: none"> ➤ Press to set up conference and transfer calls (see “Conference Calls” on Page 39).
HOLD	<ul style="list-style-type: none"> ➤ Press once to hold internal or outside calls (the CO LED flashes at the internal hold rate) <div style="border: 1px solid black; padding: 2px; width: fit-content; margin-left: 20px;"> HOLD LINE 10 JAN 01 SUN 12:19 </div> <p>...or press twice to enable Exclusive Hold. The CO LED flashes at the exclusive hold rate.</p> <p>Note Exclusive Hold enables you to place a call on hold so that only you or somebody using a Call Pickup code at another station can retrieve it.</p> <p>To retrieve a call on hold:</p> <ul style="list-style-type: none"> ➤ Press CO or [DN] which is on hold <div style="border: 1px solid black; padding: 2px; width: fit-content; margin-left: 20px;"> HOLD LINE 201 LINE 10 RECALL </div> <p>...or if the call is on Exclusive Hold, from another station dial #5 plus your [DN], or dial #5#7 plus the CO Line number (001~200) that the call is held on.</p> <p>If a call is not retrieved by a certain time (set in system programming), it recalls back to your phone. You hear repeated recall tone (or if you are on the phone, you hear recall tone twice).</p>

Table 1 Fixed Button Instructions (*continued*)

Button	Instructions
<p>HOLD (<i>continued</i>)</p>	<p>If the held party hangs up, the call is released and the CO provides a hold-release signal.</p> <p>Note If your telephone is programmed for Automatic Hold, existing calls are automatically placed on hold when you answer a call or make another call. (See “Automatic Hold” on Page 24.)</p> <p>A different call can be held on each [DN] or CO button on your phone. Each time you press SCRL, a different [DN] or CO is selected. The selected button’s LED flashes rapidly and your LCD displays information for the call holding on that button (samples shown at right).</p> <div data-bbox="938 456 1204 521" style="border: 1px solid black; padding: 5px; display: inline-block;"> <p>CO LINE 02 HOLD</p> </div> <div data-bbox="938 586 1204 651" style="border: 1px solid black; padding: 5px; display: inline-block; margin-top: 10px;"> <p>DN 202 HOLD</p> </div>
<p>MIC (Microphone)</p>	<p>➤ Press to toggle the microphone ON/OFF while the telephone is in use. The LED indicates the status of the microphone.</p> <p>Notes</p> <ul style="list-style-type: none"> • The microphone and accompanying LED are always ON when receiving “voice first” internal [DN] calls to enable Handsfree Answerback and OFF if you receive a ring-first call. MIC may be ON/OFF when placing an on-hook CO Line or internal [DN] call. • Each station’s MIC can be set in system programming to switch ON/OFF with one touch, to switch OFF only while pressed and held, or to be either ON/OFF at the start of handsfree dialing. • MIC functions on Handsfree Answerback and OCA calls for privacy.
<p>SPKR (Speaker)</p>	<p>➤ Press to toggle the speaker ON/OFF. The LED indicates the status of the speaker. Also selects a line or the internal [PDN] if programmed for auto preference in system programming. Can be used to disconnect on-hook speakerphone calls.</p>
<p>VOL</p>	<p>➤ Slide to adjust volume levels (see “Volume Controls” on Page 11.)</p>
<p>RING</p>	<p>➤ Slide to adjust the ring volume levels, and the voice levels of the caller (Handsfree Answerback operation).</p>

Flexible Buttons

All flexible buttons must be programmed for your telephone in system programming and vary for individual telephones. If a button does not appear on your display or telephone keypad label, see your System Administrator for button assignments.

Line Buttons

You may have buttons designated as **Line** and/or **PL** which enable you to directly access outside Central Office (CO) lines. **PL** enables you to access available CO Lines from a group of lines appearing under one button.

If your telephone does not have a **Line** or **PL** button, and you want to access outside CO lines, you can use access codes. For a listing of these codes, see [Table 11 on Page 108](#).

Directory Number [DN] Buttons

The [DN] buttons consist of: [PDNs], [SDNs], and [PhDNs]. They are used to make or answer a call and are known as your extension or intercom number. You can have multiple [DN] buttons on your telephone (see [Figure 2 on Page 7](#)), including [DNs] belonging to another [SDNs].

Incoming calls ring your telephone [PDNs] from the top down. For example, incoming calls to Station 10 [PDNs] first ring the “10-1” button, then “10-2,” and finally “10-3.” Your station is considered busy only when all of the [PDNs] are being used by your telephone or other telephones and/or when your telephone is on a call on any type of CO Line or [DN].

If you have an LCD telephone, you can find out the actual [DN] of a [DN] button by pressing the [DN] you want to display and dialing **#407**. The number (**210**) displays.

DN = 210

Table 2 Directory Button Definitions

Button	Definitions
[PDN] Primary Directory Number	<p>➤ Press to answer a call to the Primary Directory Number or to initiate a phone call.</p> <p>The [PDN] is specifically your Extension Number or Intercom Number. Your telephone can have up to four [PDN] buttons with your number. You can set Call Forward and Voice Mail ID code for your [PDN].</p>
[SDN] Secondary Directory Number	<p>➤ Press to answer a call on a [PDN] of another telephone which appears on your telephone as a [SDN].</p> <p>You cannot set Call Forward and Voice Mail ID code for [SDNs] on your telephone.</p>
[PhDN] Phantom Directory Number	<p>➤ Press to answer a call to the [PhDN].</p> <p>Up to 8 [PhDNs] can be assigned to one station. A [PhDN] can be assigned exclusively to a station or shared among a group of stations. An example of a [PhDN] application is using the [PhDN] as a common phone number for an entire department, such as a Sales Department. The [PhDN] rings on all of the telephones of the group when it is called.</p> <p>You can only set Call Forward and Voice Mail ID code for [PhDNs] that are owned by your telephone. You can have a separate message waiting button and mailbox for each up to four [PhDNs] on your telephone.</p>

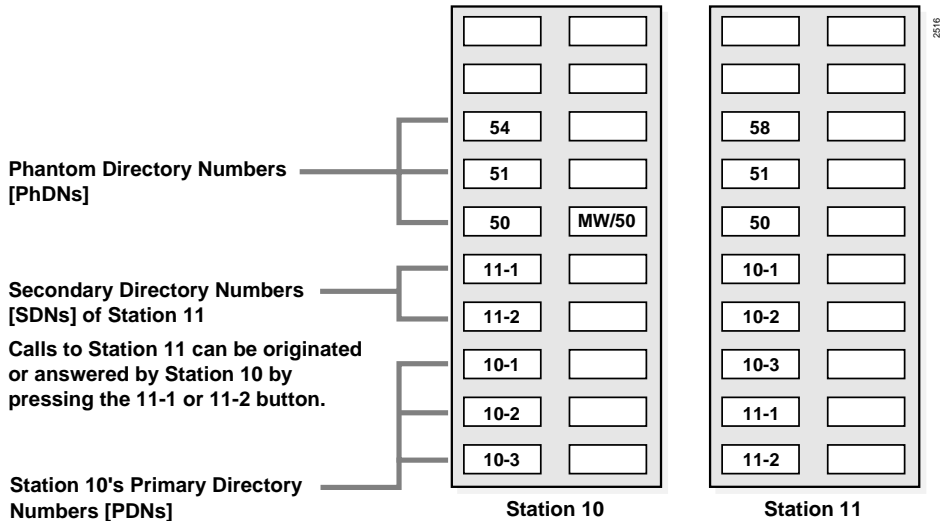


Figure 2 Multiple Directory Numbers Example

Feature Buttons

Preprogrammed feature buttons can be assigned to your telephone and vary for individual telephones. See [Table 7 on Page 64](#) for a list of all the possible feature buttons.

If a button does not appear on your display or telephone keypad label, see your System Administrator for button assignments.

There are two available features that may not be programmed to buttons on your telephone – **SDS** and **RDL**. For the **SDS** feature, you can substitute the * key in any of the procedures. For the **RDL** feature, you can substitute the # key for any of its referenced procedures.

LCD

In its idle state, the 32-character LCD feature of your EKT gives you an accurate desk clock and calendar combination. The LCD automatically provides a variety of information and feature prompts to make your call handling easier. When you have an

outside call in progress, the elapsed time display shows the duration of the call. You can also send/receive short messages with other LCD telephones (see “Messages” on Page 86). All display functions occur automatically as call processing proceeds.

A “+” next to the LCD readout (sample shown at right) on your telephone indicates there is more data in memory. Press **SCRL** to advance through the information.

CF-A 201-203+
JAN 01 TUE 12: 19

LCD Buttons

The three buttons to the right of the display provide various functions.

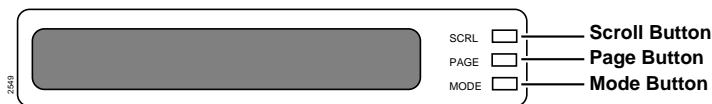


Figure 3 LCD Buttons

These functions are:

SCRL which scrolls through:

- ✦ Message Waiting station numbers
- ✦ Speed dial digits (if more than 16 digits) when in Mode 8.

PAGE which:

- ✦ Changes Busy Field groups.
- ✦ Records a user NAME/NUMBER for another station (used by station 200). Station 200 must be an LCD EKT to record a NAME/NUMBER display for any other station type.
- ✦ Changes displays (date/time, elapsed time, message, call forward, dialed number).
- ✦ Scrolls through speed dial numbers when using Mode 8.

MODE which:

- ✦ Enters or exits various mode functions (see Mode Definitions).
- ✦ Cancels the beeping tone when using timed reminders.

Table 3 Mode Definitions

MODE	Definition
0	Exit mode and return to clock/calendar display.
1	Display Busy Field.
2	Send a message to a Busy station.
4	Send a message to a Called station.
5	Displays LCD message number NN, where NN is a personal or message. Only displays the selected message and cannot be used to edit or create a new message.
8	Check a Speed Dial number and memo dialing.
60	Turn OFF Caller ID/ANI/DNIS information mode.
61	Turn ON Caller ID/ANI/DNIS information mode.
62	Display Caller ID/ANI/Lost Call stored information.
64	View Call Park Orbit list.
94	Send a message to a Remote called station.
95	Send a message to a Remote calling station.

(See [Chapter 3 – LCD Operation](#) for an explanation of how to use these buttons.)

LED Indicators

Each line and feature button has a LED next to it which indicates the status of the line or feature associated with the button. Line LEDs light and/or flash at varying rates to indicate call status (see [Table 4](#)).

Table 4 LED Indicators

Use	Your Station	Other Station (Red)
	Interval Rates	
CO In-Use (access outside line)	2 seconds ON, 1/8 second OFF— 1/8 second ON/OFF	steady
Incoming Call (while ringing)	1 second ON at 10 pulses/second—1 second OFF	one second ON/OFF
Hold (outside line) If using Pooled Line, the hold indication is only at the station that places the call on hold.	4 pulses/second for 1/8 second ON/OFF	1/2 second ON/OFF
Hold – Consultation (during consultation/transfer to another station)	10 pulses/second	steady
Hold – Exclusive (outside line)	10 pulses/second	steady
Hold – Recall (when held call recalls your idle station)	1 second at 2 pulses/second, 1 second at 10 pulses/second	flashes
Hold – Exclusive Recall	1 second at 2 pulses/second, 1 second at 10 pulses/second	steady
Internal Call (while station ringing)	Your [DN] flashes 10 pulses/second—1 second OFF	
Busy Station Transfer (outside call transferred to your busy station from a designated station or AA)	4 pulses/second, 1/8 second ON/OFF	3/4 second ON, 1/8 second OFF
After disconnecting first call...	10 pulses/second	2 pulses/second
Alert Signal	.5 seconds	4 seconds
Conference	10 pulses/second	steady

On-hook/Off-hook

Some procedures in this user guide instruct you to perform a step while “on-hook” or “off-hook.” These terms refer to the position of the handset. “Off-hook” indicates that the handset should be lifted off of the telephone cradle. “On-hook” indicates that the handset should remain in the cradle and should not be lifted.

Volume Controls

Voice and ring volume levels are controlled by adjustable slides located at the bottom of the front panel. The right **VOL** control adjusts the speaker volume for dial tone, station Background Music (BGM), Off-hook Call Announce, and voice. The left **RING** control adjusts the ring tone and handsfree voice announcement levels. The method for changing the volume varies (see [Tables 5](#) and [6](#)).

Table 5 Using VOL

Feature	Phone Status	Slide	Comments
Ring Tone Volume/ Incoming Handsfree Answerback and Speaker OCA	On-hook, Idle	RING control	Adjusting the ring tone volume also changes the volume level of incoming Handsfree Answerback and Speaker OCA calls before they are answered by pressing a [DN].

Table 6 Using VOL with Additional Buttons

Feature	Phone Status	Press	Comments
BGM over Telephone Speakers	On-hook, Idle	BGM ...or [DN] + #481 and SPKR	BGM is activated over your telephone speakers.
BGM Volume	On-hook, Idle	[DN] and slide the VOL control	You hear dial tone after pressing the button. Adjust the volume of the BGM while listening to the dial tone. The dial tone volume should be the same as the BGM after you have adjusted it. Press SPKR after setting the volume level.

The Grand Tour

Electronic Telephone Diagram

This chapter lists all the electronic telephone features in alphabetical order beginning on [Page 18](#). These features apply to all EKTs connected to Strata DK Systems, but they do not apply to digital telephones (DKTs).

Features requiring a telephone equipped with a speakerphone are noted.

Before You Begin

If you are a new user of the Strata DK electronic telephone, you need to find out if your telephone has been set up for Automatic Line Selection and Ringing Line Preference. You also need to know if your telephone has Tone or Voice First signaling when you receive an internal call. The differences between Tone First and Voice First signaling are:

- ♦ Tone First signaling rings.
- ♦ Voice First signaling does not ring, but sends a long tone, then the caller's voice.

Each of these features are enabled in system programming and determine how you make and answer calls on your telephone.

Automatic Line Selection

You *have* Automatic Line Selection, if you go off-hook and hear dial tone and the [DN], CO, or Pooled Line (PL) LED lights steady. The LCD displays the station number (**201**) and the seized CO Line (11).

NO. 201 USING LINE 11

► To make a call when you have Automatic Line Selection

- Lift the handset or press **SPKR**.

You do *not* have Automatic Line Selection, if you have to press an available [DN] or CO Line before dialing.

► To make a call when you do not have Automatic Line Selection

- Press the [DN] or **CO** first before using the handset or **SPKR**.

Ringling Line Preference

You *have* Ringling Line Preference, if you can answer a **CO** ringing your station by lifting the handset or pressing **SPKR**.

You do *not* have Ringling Line Preference, if you have to press the button associated with the ringing call (flashing LED) to answer the call.

Signaling

If you hear a long tone, followed by a caller's voice, you have *Voice First* Signaling. If you hear suasive ring tones, you have *Tone* Signaling.

► To answer a call if you have Voice First Signaling

- Talk in the direction of your telephone, or answer the call as you normally would using either the handset or **SPKR**.

► To answer a call if you have Tone First Signaling

- Lift the handset or press **SPKR** or press the flashing button.

Note You can change to the alternate signaling method when making a call on a call-by-call basis by pressing **1** after dialing an internal telephone number.

Quick Reference

The following is a quick reference chart for using your telephone's standard features.

Making an Internal Call

<ol style="list-style-type: none"> 1. Lift the handset ...or press SPKR ...or a [DN] if you do not have Automatic Line Selection. 2. Dial a directory number (201). 3. Hang up ...or press SPKR. 	<p>You hear dial tone.</p> <p>Your LCD displays the called number and your number.</p> <div style="border: 1px solid black; padding: 5px; text-align: center;"> <p>NO. 203 201</p> </div>
--	--

Making an Outside Call

<ol style="list-style-type: none"> 1. Lift the handset or press SPKR ...or press CO if you do not have Automatic Line Selection ...or PL ...or [DN], then enter a CO Line or line group access code. 2. Dial the telephone number. 	<p>You hear dial tone and your LCD displays the line number.</p> <div style="border: 1px solid black; padding: 5px; text-align: center;"> <p>NO. 203 USING LINE 6</p> </div> <p>See Table 11 on Page 108.</p> <p>The LED flashes and the digits are displayed as you dial (shown at right).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;"> <p>NO. 203 5551374</p> </div>
--	--

Features

Quick Reference

3. Hang up
...or press **SPKR**.

The display automatically changes from dialed number to elapsed time after a programmed period. After you hang up, elapsed time is displayed for 15 seconds and then changes to date/time display.

NO. 203 00: 13: 23

Making an Outside Call to an ISDN Trunk

1. Access an outside CO line.
2. Dial the number.
3. Press **START**.

The dialed digits will not be sent until you press this button or until the timer expires. Refer to [“ISDN Outgoing Calling” on Page 48](#) for more information on ISDN calls.

On-Hook Dialing

1. Press **SPKR** if you have Automatic line selection.
2. Access an outside **CO** and dial a telephone number.
3. Lift the handset when the called party answers.

Note If you have a full speakerphone, you do not have to lift the handset.

4. Hang up
...or press **SPKR**.

Answering Calls

When you receive an incoming call, the LCD displays either the CO Line (10)

... or the station [PDN] (210).

NO. 203 LINE 10 RINGING

NO. 203 210 CALLING

► To answer the incoming call

- Lift the handset
...or press **SPKR**
...or the flashing [DN], **CO**, or **PL** and lift the handset (if you do not have Ringing Line Preference).

The LED changes from incoming call rate to the in-use rate. Your LCD displays the answered line.

For information on Caller ID/ANI/DNIS LCD displays for incoming calls, see [“LCD Operation” on Page 79](#).

Incoming Call Notification

Muted ringing while you are on a call indicates an incoming call. If another call comes in during the first call, you can release, transfer, or place the call on hold, then answer the second call.

► To answer the incoming call

- Press **RLS/ANS**, or hold down the hookswitch for about one second.

Calling a Forwarded [DN]

When you call a [DN] that is forwarded (203), the [DN] you called is shown first. The display changes to the [DN] where your call forwarded (210).

NO. 203 210

Receiving a Forwarded Call

When a call is forwarded to your [DN] (210), the calling [DN] (205) is displayed on the left and the [DN] called is displayed on the right (203).

NO. 201 205 CALL 203

Account Code Calls

Entered before or after a call, Account Codes can be used for a variety of reasons including billing, tracking, and line restriction applications. Account Codes are recorded by the system and can, along with the details of the calls, be printed on a Station Message Detail Recording (SMDR) report.

Forced Account Codes (Verified/Non-Verified)

Some applications require that you enter a Forced Account Code before dialing a telephone number. There are Verified and Non-Verified Account Codes. If the system is set for Verified Account Codes, you must enter specific verified codes or the call does not execute. Verified Account Codes are established in system programming or by designated stations.

You can bypass Forced Account Code requirements with three emergency numbers, including 911. See your System Administrator for these numbers.

1. Access a CO Line.	You hear dial tone after accessing the line.
2. Enter the Forced Account Code.	Note If you used LCR, you will not hear dial tone. Dial tone stops after entering the first digit. If the account Code is valid, you hear dial tone again. If the code is invalid, you hear a busy tone.
3. Dial a telephone number.	

Voluntary Account Codes (Verified/Non-Verified)

Voluntary Account Codes are optional and are used to track calls for client billing purposes. They can be entered after accessing a CO Line or during a call. An exception is a code which is required to change the Toll Restriction classification of your station. This voluntary code gives you access to telephone numbers outside your usual dialing area and must be entered *prior* to dialing the telephone number. For example, if your station is restricted to local area calls, you can make out-of-state calls by using a Voluntary Account Code set in system programming.

If the system is set for Verified Account Codes, you must enter specific verified codes when entering the Voluntary Account Code or the code is not validated for the SMDR report.

<p>1. After accessing a CO Line, press ACCNT</p> <p>...or SDS + 50</p> <p>...or SDS + 050 (RCTU E/F)</p> <p>...or *50 if your telephone does not have a SDS button.</p>	<p>Your conversation is not interrupted.</p> <p>Note If the Voluntary Account Code is not required to dial out, the account code can be entered during a call.</p>	<p style="text-align: center;">NO. 204 ENTER ACCT CODE</p>
<p>2. Enter the Account Code.</p>	<p>When your station is set for Verified Account Codes, you hear a half-second confirmation tone if the code is valid.</p>	<p style="text-align: center;">NO. 204 CODE VERIFIED</p>
	<p>The outside party is not able to hear any confirmation tones when the Account Code digits are being entered. If your station is programmed not to verify Account Codes, you do not hear a confirmation tone.</p>	
	<p>If the code is invalid, you hear two short tones.</p>	<p style="text-align: center;">NO. 204 CODE NOT VALID</p>
<p>3. Repeat Steps 1 and 2 to enter more codes.</p>	<p>The last code entered is recorded.</p>	
<p>4. Dial a telephone number.</p>	<p>Any digits dialed after the code is entered in Step 2 is treated as part of a telephone number.</p>	

Alarm Reset

Your Strata DK system can be connected to a facility alarm system. All telephones produce a startling tone whenever this alarm is activated.

- **To reset the alarm**
 - Press **ALRM**.

Alert Signaling

Alert Signaling enables you to send an alert sound to a designated station or partner by pressing a single button. This feature is based on the “buzz” key, where, for example, a manager might alert an administrative assistant to enter the office.

You can have as many as four **Alert Signals** to send or receive to/from other telephones. An Alert Signal is sent even if the alerted telephone is busy (on/off-hook) or in the DND or Call Forward mode.

- **To send an Alert Signal**
 - Press **ALERT** and an alert tone sounds at the designated station.

Attendant Console Calling

Up to four Attendant Consoles can be installed per system. There can be up to three ways to call the Attendant Console depending upon system programming.

-
- | | |
|------------------------------|---|
| 1. Press a [DN] + 0 . | The call rings the Attendant Console 0 button. |
| 2. Dial 0 . | The calls rotate between the consoles, if more than one console is installed. |

➤ To call a specific console

- Press a [DN] + the console [DN].

The call rings the console **In-DN** (incoming [DN] button).

Note Your System Administrator can provide the Attendant Console **In-DNs**.

➤ To call all consoles for an emergency

Press [DN] + **#400**.

The call rings the **Emgr** button on all attendant consoles.

Automatic Busy Redial (ABR)

After reaching a busy outside number, you can activate ABR so that the Strata DK system automatically redials the number at regular intervals. If the system redials an outside number that is still busy, ABR resets and tries again. This feature may not be allowed on some (or all) lines in your system—depending on the telephone line type connected.

ABR is not attempted while your station is busy, but continues to time-out. The system inserts a pause (**P**) on your LCD before redialing the number.

<p>NO. 202 P555 3700</p>
--

1. Press **ABR**
...or **CONF/TRNS + #44**.

The LED flashes red.
You hear confirmation tone.

2. Hang up
...or press **SPKR**.

The system redials, up to 15 times, every 30 or 60 seconds depending on system programming.

<p>NO. 202 ABR SET</p>
--

Your telephone receives ring tone, when ABR dials the number if it is available.

The [DN] or CO and SPKR LEDs flash.

Features

All Call Voice Page

3. Lift the handset or press **SPKR** and wait for the party to answer.

If you do not pick up the handset or press **SPKR** within 30 seconds after a connection is made, you hear a muted ring for another 30 seconds, then the call disconnects.

► To cancel ABR

- Press **ABR**

...or [DN] + **#44**.

All Call Voice Page

You can make an All Call Page to electronic telephones assigned to the “All Call Page Group.” Stations are assigned to the “All Call Page Group” in system programming.

1. Press **AC**
...or [DN] + **#39**.

The **AC** button pages “All Call Page” telephones, but does not access external page speakers.

Note **#39** may also Page external speakers as well as “All Call Page” telephones depending on system programming.

2. Make your announcement in a normal voice level and repeat it.
3. Hang up.

Automatic Callback (ACB)

After reaching a busy/DND station, you can set ACB to have the system call you when the called station becomes available. You can also set ACB to place you in a queue for an available CO Line, if you reach a line group in which all lines are busy.

<p>1. Press ACB ...or 4.</p>	<p>You hear a busy tone, followed by dial tone for two seconds, then busy tone.</p>	<p style="text-align: right;">NO. 204 INT 210 ACB SET</p>
<p>2. Hang up ...or press SPKR.</p>	<p>When you set ACB at a busy line group, its access code number (801) displays.</p> <p>You can make other calls while waiting for the called station/line to become available.</p>	<p style="text-align: right;">NO. 204 INT 801 ACB SET</p>
<p>3. Press [DN] to answer the call within three rings.</p>	<p>Your telephone rings at a fast rate when the called station or CO Line is idle.</p> <p>The busy or DND station LED flashes (incoming call) and its number (210) displays when it is available.</p>	<p style="text-align: right;">NO. 204 210 ACB</p>
	<p>The CO Line LED from which you attempted to first access the line flashes red (incoming call rate). The seized line number (3) is displayed.</p> <p>After you answer, you hear a single tone, and the LED flashes.</p> <p>If you hear a busy tone after answering a callback, the called party is already on another call or the line has been seized. Your request is not cancelled. You are called again the next time the line is idle.</p> <p>If the original call was made using LCR, the telephone number is automatically dialed. If you did not use LCR, you have to redial the telephone number.</p>	<p style="text-align: right;">NO. 204 LINE 3 ACB</p>

Features

Automatic Hold

➤ To cancel ACB to a busy or DND station

- Press **ACB** or [DN] + **#43**.

Automatic Hold

Automatic Hold enables you to automatically place a call on hold by pressing another outside **CO** or [DN] button—there is no need to press **HOLD**. Your telephone must be programmed for this feature, otherwise existing calls drop if you do not press **HOLD** before answering or making another call.

- Press a **CO** or [DN].

You can make or receive a new call while on another call. The LED of the accessed CO flashes (in-use), and your first call is put on hold (LED flashes on-hold).

➤ To switch between held calls

- Press the **CO** or [DN] of the held call.

The LED of the CO just accessed flashes (in-use). The LED of the CO or [DN] placed on hold flashes (on-hold).

Background Music (BGM)

If BGM is enabled, you can turn it ON/OFF for your individual station speaker.

- Press **BGM**
...or [DN] + **#481** +
SPKR.
- Press [DN] + **#480** +
SPKR.

Toggles BGM ON/OFF.

Turns BGM ON.

Turns BGM OFF.

Note Ignore busy tone after dialing **#481** and **#480**.

Note BGM over external speakers is controlled by the System Administrator.

Call Forwarding

If your telephone has been system programmed for a **Call Forward** button, you can use a **Call Forward** button to set the feature for a [PDN].

If your telephone has more than one [DN], you can assign Call Forward destinations for each [DN] on your telephone (one [PDN] and up to eight [PhDNs]). Each [DN] can be independently set for a different Call Forward feature.

Call Forward must be set before the call is received and has priority over the Station Hunt feature. To set call forward from a [PDN] or [PhDN], you must set the call forward from your telephone, and it must be programmed as the owner of the [PDN] or [PhDN].

Note If you hear a re-order tone when following any of the Call Forward steps, your telephone is not the owner of the [PDN]/[PhDN].

After Call Forward is set, the following calls to your station are forwarded except in Call Forward-External mode:

- ◆ Internal calls (handsfree and OCA calls optionally may or may not).
- ◆ Auto Attendant calls.
- ◆ CO Line calls that ring only on your station.
- ◆ Transferred CO Line or station calls.

Note CO lines that ring more than one station do not forward.

Access Codes

If your telephone has not been programmed for **Call Forward** buttons or you are forwarding a [PhDN], you must use access codes, such as **#601**, to set the Call Forward feature.

LCD Telephones

The LCD on your telephone provides you with call forwarding information. The LCD examples below are identical to those on your telephone LCD. At times, the entries on the display scroll off the LCD and only portions of the entries remain.

Call Forward–All Calls

This feature enables you to forward all calls automatically to another station. Your station does not ring.

<p>1. Press CFAC ...or [PDN]/[PhDN] + #601.</p>	<p>The LED flashes red. You hear confirmation tone after #601 is dialed.</p>	<p style="text-align: center;">NO. 201 CALL FORWARD TO</p>
<p>2. Enter the destination [DN].</p>		<p style="text-align: center;">NO. 201 ALL FORWARD TO 203</p>
<p>3. Press CFAC ...or SPKR (if access code used).</p>	<p>The LED is steady red and calls forward to the stored directory number (203).</p>	<p style="text-align: center;">CF-A 201-203 JAN 01 TUE 12: 19</p>

► To cancel a Call Forward–All Calls

- Press **CFAC + SPKR**
...or [PDN] + **#601 + SPKR**.

Call Forward–Busy

Call Forward–Busy forwards calls immediately when your station, [PDN], or [PhDN] is busy or in the DND mode. On “Tone First” systems, if your [PDN] appears on more than one button on your telephone, Call Forward Busy forwards calls only when all [PDN] buttons are in use; if there is an idle [PDN], it flashes or rings when called. On “Voice First” systems, Call Forward Busy forwards all calls any time your telephone is in use.

<p>1. Press CFB ...or [PDN]/[PhDN] + #602.</p>	<p>The LED flashes red. You hear confirmation tone after #602 is dialed.</p>	<p style="text-align: center;">NO. 201 CALL FORWARD TO</p>
--	---	--

2. Enter the destination [DN].

NO. 201 CALL FORWARD TO 203

3. Press **CFB**
...or **SPKR** (if access code used).

The LED is steady red and calls forward to the stored directory number (**203**).

CF-B 201-203 JAN 01 TUE 12: 19

➤ **To cancel a Call Forward–Busy**

- Press **CFB + SPKR**.
...or [PDN] + **#602 + SPKR**.

Call Forward–No Answer

This feature forwards all calls to your station if you fail to answer within a designated time (set by you when you enable the feature). Your station can be programmed to bypass Call Forward-No Answer when receiving Voice First (handsfree). Callers can activate ring first by dialing **1** during their voice announcement.

1. Press **CFNA**
...or [PDN]/[PhDN] + **#603**.

The LED flashes red.
You hear confirmation tone after **#603** is dialed.

NO. 201 CALL FORWARD TO

2. Enter the destination [DN].

NO. 201 CALL FORWARD TO 203

3. Press **SDS**
...or ***** if your telephone does not have the **SDS** button.

Skip this step, if you pressed **CFNA** in step 1.
The pre-set time delay for calls forwarding is 12 seconds.

NO. 201 LL FORWARD TO 203*

Features

Call Forwarding

4. Enter the time delay (**08~60**) seconds.

The LCD displays the amount of time entered (**16**).

NO. 201
FORWARD TO 203*16

Note Skip this step if you do not want to change the time.

5. Press **CFNA**
...or **RDL**, then **SPKR** (if access code was used in Step 1).
...or **#** if your telephone does not have the **RDL** button.

The LED lights steady red and calls forward to the stored directory number (**203**).

CF-NA 201-203
JAN 01 TUE 12: 19

► To cancel a Call Forward–No Answer

- Press **CFNA + SPKR**.
...or [PDN] + **#603 + SPKR**.

Call Forward–Busy/No Answer

This feature forwards all calls to your station immediately whenever you are busy, in the DND mode, or after ringing and you do not answer the call within a designated time (set by you when you enable the feature). Your station can be programmed to bypass Call Forward/No Answer when receiving Voice First (handsfree). Callers can activate ringing and Call Forward by dialing **1** during their voice announcement.

On “tone-first” systems, if your [PDN] appears on more than one button on your telephone, Call Forward Busy forwards calls only when all [PDN] buttons are in use; if there is an idle [PDN], it flashes or rings when called. On “voice-first” systems, Call

Forward Busy forwards all calls any time your telephone is in use and/or any time all of your [PDNs] are in use by other telephones.

<p>1. Press CFB/NA ...or [PDN]/[PhDN] + #604.</p>	<p>The LED flashes red. You hear confirmation tone after #604 is dialed.</p>	<p>NO. 201 CALL FORWARD TO</p>
<p>2. Enter the destination [DN].</p>		<p>NO. 201 LL FORWARD TO 203</p>
<p>3. Press SDS ...press * if your telephone does not have the SDS button.</p>	<p>The pre-set time delay for calls to ring before forwarding is 12 seconds.</p> <p>Note Skip this step, if you pressed CFB/ NA in step 1.</p>	<p>NO. 201 LL FORWARD TO 203*</p>
<p>4. Enter the time delay (08~60) seconds.</p>	<p>The LCD displays the amount of time entered (16).</p> <p>Note Skip this step, if you do not want to change the time.</p>	<p>NO. 201 FORWARD TO 203*16</p>
<p>5. Press CFNA ...or RDL, then SPKR (if access code used in step 1). ...or # if your telephone does not have an RDL button.</p>	<p>The LED lights steady red and calls forward to the stored directory number (203).</p>	<p>CF-BN 201-203 JAN 01 TUE 12: 19</p>

Features

Call Forwarding

► To cancel a Call Forward–Busy/No Answer

- Press **CFB/NA + SPKR**.
- ...or [PDN] + **#604 + SPKR**.

Call Forward–Fixed

Call Forward–Fixed forwards calls immediately to a station or voice mail device set in system programming all internal, private or DID CO Line calls to your station. Your station does not ring when called. Your station must be assigned with a **CO** button in system programming to activate this feature.

- Press **CO**

The LED lights steady red and all calls forward to a station [PDN] or voice mail device set in system programming.

Call Forward–External

This feature forwards new incoming calls directed to your [PDN] to a destination outside of the system. [PhDNs] assigned to your telephone do not call forward to external destinations. Internal calls and transferred calls to your [PDN] also do not forward to external destinations.

Only incoming calls over CO lines dedicated to immediately ring your [PDN], the private **CO** button, and/or DID line, call forward externally. Any of the other Call Forward modes can be set for your [PDNs] or [PhDNs] simultaneously with Call Forward-External.

1. Store the destination number at Station Speed Dial location Code 49.

The Call Forward-External destination can be a telephone number over a CO Line, a station over a Tie line, or a station within your Strata DK system. If the destination is over a CO Line, the CO Line must only ring at your station.

Only perform Step 1 the first time CF-EXT is set or when you change the destination. It is not necessary to store the destination each time; it remains in system memory.

See [“Speed Dial–Advanced Features” on Page 63](#) for details.

When forwarding to an outside destination include the CO line (or CO line group) access code before the telephone number,

See [Table 11 on Page 108](#) for CO Line/Line Group access codes. The LCR access code “9” cannot be used.

- | | |
|--|--|
| <p>2. Press CF-EXT
...or the [PDN]/
[PhDN] + #670.</p> | <p>Incoming calls forward to the destination stored at Station Speed Dial Location 49.</p> |
|--|--|

➤ **To cancel a Call Forward–External**

- Press **CF-EXT**
...or [PDN] + **#670** + **SPKR**.

Call Forward Remote Destination Change

If Call Forward-External mode is set at your station, you can change the forwarding destination from a telephone outside of the system.

- | | |
|---|---|
| <p>1. Call into the DK system over a CO Line programmed for the DISA feature.</p> | <p>You hear ringback tone signal, then internal dial tone for 10 seconds.
Try again if you hear busy tone.</p> <p>Note See the System Administrator for DISA telephone numbers.</p> |
| <p>2. Press #670 then dial your [PDN] after you receive dial tone.</p> | <p>You hear a confirmation tone.
If a number is not dialed, the system automatically makes the DISA CO Line ring as a normal incoming call. Then, if the call is not answered within 15 seconds after the ringing starts, it disconnects.</p> |
| <p>3. Enter the Remote Call Forward-External security code.</p> | <p>You hear a confirmation tone. See the System Administrator for the security code which is assigned to your telephone in system programming.</p> |

Features

Call Park Orbits

4. Enter the new destination number.

You can enter an internal number, Voice Mail number, or a CO Line access code plus an external telephone number. With some systems, you can dial a line group code instead of a CO Line number access code. (See Appendix A, See [“CO Line Access Codes” on Page 107.](#))

5. Press **#**.

Notes

- LCR access code “9” cannot be used as the CO Line access code.
- When entering CO line access codes (**#7XXX**), enter **447XXX** instead of **#7XXX**.

You hear a confirmation tone.

Call Park Orbits

The Call Park feature enables you to hold a call temporarily in an orbit (the area where the call is held). Anyone can retrieve the call from the orbit using the same or a different station. There are 20 General Park Orbits for the system and 1 Personal Park Orbit for each station.

Once you have parked a call in an orbit, you can:

- ♦ Hang up and retrieve the parked call at a later time.
- ♦ Originate another call.
- ♦ Access a voice paging device to announce the parked call for pickup from another station.

If you park a call, and it is not retrieved the following occurs:

- ♦ If your station is idle when the system Call Park recall timer expires, the parked call automatically recalls to your station.

- ◆ If your station is busy, the parked call camps-on.

If you have an LCD telephone, you can let the system automatically select an available orbit number which displays on your LCD. To monitor the calls parked at your station, see “[Call Park Orbit List Display](#)” in [Chapter 3 – LCD Operation](#).

➤ **To park a call**

<p>1. Press PARK while on a call</p> <p style="padding-left: 20px;">...or CONF/TRNS + #332.</p>	<p>The LED flashes (consultation-hold).</p>	<div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 0 auto;"> ENTER ORBIT NO RTRN </div>
<p>2. Enter a General Orbit Number (900~919)</p> <p style="padding-left: 20px;">...or a valid [PDN]</p> <p style="padding-left: 20px;">...or if you have an LCD, press 999.</p>	<p>The call is parked and the CO Line flashes (hold), or the [DN] LED turns OFF.</p> <p>The system parks the call on the lowest vacant Orbit Number.</p>	
<p>3. Hang up.</p>	<p>The calling extension or line number and the orbit number are shown.</p>	<div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 0 auto;"> 6793 PK ORBIT 900 </div>
	<p>If the parked call is not retrieved within a specified time, the call rings back to your phone.</p>	<div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 0 auto;"> LN 2 ORBIT 900 </div>
	<p>When a parked call recalls your phone, the LCD shows the line or [DN] that is recalling and the orbit number.</p>	<div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 0 auto;"> L 2 PK ORBIT 900 </div>

Features

Call Park and Page

► To retrieve a parked call

1. Press **PARK**
...or [DN] + **#332**.
2. Enter the Orbit
Number where the
call is parked.

[DN] can be [PDN], [SDN] or [PhDN].

The [DN] LED flashes at the in-use rate when the call is retrieved.

Call Park and Page

You can use the Park feature in conjunction with the Page feature. This operation can be programmed on a **SD** button for one-touch activation (See “[Feature Access Codes](#)” on [Page 64](#).)

1. Press **CP/PG** while
on a call
...or **CONF/TRNS+**
#331.
2. Enter a General Orbit
Number (**900~919**)
or a valid [PDN]
...or if you have an
LCD, press **999**.
3. Enter a [DN] or a
Page Group or Zone
access code (see
[Tables 12](#) and [13](#) on
[Page 109](#)).

The LED flashes
(consultation-hold).

HOLD LINE 2 ENTER ORBIT NO.
--

The call is parked and the CO Line flashes (hold), or
the [DN] LED turns OFF.

The system parks the call on the lowest vacant Orbit
Number.

After you enter an Orbit Number, a short burst of dial
tone prompts you to enter the Page access code.

The LCD shows the **999**
Auto Park entry.

HOLD LINE 2 999

The LCD shows the line
being held and its orbit
number. Example: **Line 2** is
held on orbit **900**.

HOLD LINE 2 L 2 ORBIT 900
--

4. Make your announcement (include the Orbit Number).
5. Hang up to free the paging device.

If the parked call is not retrieved within a specified time, the call rings back to your phone.

PARK ORBIT 900
HOLD

When a parked call recalls your phone, the LCD shows the line or [DN] that is recalling and the orbit number.

L 2 PK ORBIT 900

Call Pickup

You can pick up a call that is ringing another station [PDN] or [PhDN], a call placed on hold at another station, and other types of calls.

When you pick up an internal call, the calling station (**200**) displays on the left and the called station (**201**) displays on the right.

NO. 204
200 CALL 201

If your call is picked up by another station, the LCD shows that your call to station (**200**) was picked up by station (**201**).

NO. 204
200 PICKUP 201

► To use call pickup

- Press **PKUP**
...or [DN] + **#5#2** +
[PDN]
...or [PhDN].

Picks up the [DN] or CO Line that has the ringing or held call. (This feature is not available on all systems.)

Features

Group Pickup

➤ To pick up a ringing CO Line in a tenant system

- Press **PKUP (1~4)**
...or [DN] + **#59**.

You are connected to a incoming CO Line call for a Tenant Group (1~4).

Notes

- In non-tenant systems, **PKUP1** picks up any ringing CO Line.
- This feature does not pickup held lines or transferred CO lines that are ringing; use Pickup.

Group Pickup

Stations can be assigned in system programming to pickup groups. As many as 20 groups can be created to enable easy pickup of incoming (new or transferred) or internal calls that are ringing stations in your group or in other groups. This feature does not pickup held calls. You may belong to more than one group. See your System Administrator for group assignments.

➤ To pickup calls ringing within your group

- Press **GRP/PKUP** or a [DN] + **#5#34**.

➤ To pickup calls ringing to other groups

1. Press [DN].
2. Enter **#5**, then the access code (**#320~#339**) of the group to which the station belongs.

You hear dial tone.

You are connected to the call. If the called station belongs to more than one group, any of the Group Pickup codes associated with those groups pickup the call.

Call Transfer with Camp-on

You can transfer calls to idle or busy [DNs], Hunt Group Numbers, ACD Group [DNs], etc. You cannot transfer (or camp-on) to a station [PDN] or [PhDN] if the station is in the DND mode, unless the station [PDN] or [PhDN] appears on other stations.

- | | |
|---|---|
| 1. Press CONF/TRNS . | The CO or [DN] LED flashes (conference rate). You hear internal dial tone. |
| 2. Dial the [DN] where the call is be transferred. | The CO Line rings the called station. If you hear a single tone, you can then announce the call over the called telephone's speaker. (If you hear ringing tone, the call was made with Tone Signaling.) |
| 3. Announce the call and hang up if the station is idle | |
| ...or if the station is busy or does not answer, hang up | The CO LED flashes (on-hold). If you transferred the call from a [DN], the [DN]'s LED turns off. The CO Line or [DN] camps onto the called station and the called station receives a warning tone. The camped-on call rings when you hang up. |
| ...or to reconnect to the transferred line before it is answered, press the flashing CO or [DN] + #42 . | The CO LED is a steady red when the called station answers the transferred call. |
| | If the call is not answered after a specified Recall time set in system programming, Camp-on is cancelled. The transferred call returns to your station if your station or [DN] is idle, sends a two-tone burst if your telephone is busy.

The LCD shows the CO Line number and the station number (203) where it was originally transferred. |

NO. 204
CAMP-ON 4

HOLD LINE 2
LN 2 RECALL 203

Call Waiting

You can answer a call that is transferred to your station, even when your station is busy. When another call is camped onto your station, you hear two camp-on tone beeps and the [DN] or CO LED flashes red (on-hold).

If a call is sent to your station when busy, and your station does not have a [DN] or **CO** button available to receive the call, two camp-on tone beeps are sent to your telephone. You must disconnect or transfer the existing call to answer the waiting call.

➤ To answer a waiting call by placing the current call on hold

- Press **HOLD**

...or if your telephone has the Auto Hold feature, just press the flashing [DN] or **CO**.

The existing call is placed on hold. The camped-on line rings your station (the CO LED flashes to indicate an incoming call).

You are connected to the transferred call. The [DN] or CO LED flashes (in-use).

Note See your System Administrator to find out if you have Auto Hold.

➤ To answer a waiting call by disconnecting or transferring the current call

- Hang up or transfer the existing call

...or press the flashing [DN] or **CO**.

The camped-on line rings your telephone, and the CO LED flashes (incoming call).

This disconnects the current call and connects you to the transferred call. The [DN] or CO LED flashes (in-use).

Conference Calls

This feature enables you to add other parties to an existing call. The following conferencing configurations are possible:

- ◆ Up to two stations and two CO lines.
- ◆ Up to three stations and one CO Line.
- ◆ Up to four stations.

- | | |
|---|--|
| <ol style="list-style-type: none"> 1. Press CONF/TRNS. | <p>You hear dial tone and the [DN] or line LED flashes (conference-rate).</p> |
| <ol style="list-style-type: none"> 2. Dial a [DN] or access a CO Line and dial the telephone number to be conferenced. | <p>If you receive a busy tone or no answer, press CONF/TRNS to return to the original connection.</p> |
| <ol style="list-style-type: none"> 3. Press CONF/TRNS, when the called party answers. | <p>All parties are conferenced. If the second call was placed on a [DN] or CO Line that appears on your telephone, the LED also flashes (in-use rate).</p> <p>Repeat the procedure to add other CO lines or [DNs], remembering not to exceed the allowed number.</p> |

The new station is not conferenced unless its user lifts the handset or presses a [DN] to answer.

Date/Time/Day Adjustment

This feature is performed from a designated station. See the *System Administrator Guide* for instructions.

Features

Direct Inward System Access (DISA)

Direct Inward System Access (DISA)

Outside callers with telephones that send Dual-tone Multi-frequency (DTMF) tones can call on CO lines programmed for DISA and dial a [DN] or outgoing CO Line without going through an attendant or operator. See the System Administrator for this number.

► To make an internal DISA Call

1. Dial the DISA CO Line telephone number.	You hear a ringback tone signal, then an internal dial tone for 10 seconds. If you do not dial within 10 seconds, the system automatically causes the DISA CO Line to ring a telephone or group of telephones designated in system programming. Then, if the call is not answered within 15 seconds after the ringing starts, it disconnects.
2. Dial a [DN].	You hear ring tone. When the station answers, you are connected. Note If the call is not answered after 6 rings or 24 seconds, (whichever comes first) you hear busy tone.
3. Press * anytime you hear busy tone and repeat Step 2 to make another call.	Note To call another station after completing a DISA station call, the internal party must transfer you. Station and System Page cannot be accessed on DISA calls.

► To make an external DISA Call

1. Call the DISA CO Line telephone number.	You hear a ringback tone signal, then an internal dial tone for 10 seconds. If you do not dial within 10 seconds, the system automatically rings the DISA CO Line as a normal incoming call. Then, if the call is not answered within 15 seconds after the ringing starts, it disconnects.
--	---

- | | |
|---|---|
| <p>2. Dial a CO Line or CO Line access code when you hear dial tone</p> <p>...or dial a CO Line or CO Line access code and then a DISA security code.</p> | <p>If you do not hear dial tone, you must also dial a DISA security code. See Table 7 on Page 64.</p> <p>You hear dial tone.</p> <p>Note See the System Administrator for the DISA security code number. If the correct code is not entered, the call disconnects.</p> |
| <p>3. Dial a telephone number.</p> | <p>If set in system programming, both parties hear a warning tone approximately 4, 10, or 20 minutes after the call was made. Press 0 to reset the timer each time the tone sounds (for an additional 4, 10, or 20 minutes). If you do not press 0, the call disconnects approximately one minute after the tone.</p> |

Direct Station Selection (DSS)

This optional feature enables you to use a **DSS** button to connect directly to another station. The LED of the button shows the status (idle/busy) of the station and/or the station's [PDN].

For example, a station DSS LED shows busy (light steady red) when the station is:

- ◆ Busy on a call on any button or is in the DND mode.
- ◆ Idle, but all appearances of the [PDN] are in use by other stations.

► To connect directly to another station [PDN]

- | | |
|--|---|
| <p>1. Press DSS, while connected to a CO Line or another station.</p> | <p>The original party is put on hold. You can call a station even if the DSS LED shows busy (steady red).</p> |
|--|---|

Features

Do Not Disturb (DND)

2. Announce the call
...or transfer the call
by hanging up
...or transfer the call
by pressing
RLS/ANS.

Note You can transfer the call to an idle or busy station.

Do Not Disturb (DND)

If your station is in the DND mode, internal, external and transferred calls do not ring your station and OCA calls are denied. You can continue to make calls while in the DND mode.

If your [PDN] or [PhDN] appears on other stations, the calls flash on your station and flash or ring the other stations. Other stations can answer your calls or you can, even while your station is in the DND mode.

Your “alert partner” telephone can override your DND and signal your telephone by pressing **ALERT (1~4)**. Telephones with DND Override can also call your telephone.

-
- Press **DND**

...or press it again to
deactivate the
feature.

The LED lights steady red and DND mode is activated.

Notes

- Calls forward from your station immediately, while in the DND mode, if it is set for Call Forward-Busy or Call Forward-Busy/No Answer.
- If you press **DND** while a call is ringing, the ringing stops, but the LED continues to flash.

Door Lock

Your telephone may have up to five **DRLK (0~4)** buttons, which enables you to unlock a door.

- Press a door lock button:

DRLK 0
DRLK 1
DRLK 2
DRLK 3
DRLK 4

The door unlocks for three or six seconds (set in system programming). The Unlock Door LED is lit while the door is unlocked.

Location

Door Phones

Door phones are used to call digital/electronic telephones selected in system programming. When a door phone calls, you hear a distinctive ringing tone, one or five times (set in system programming). You can also call a door phone and monitor the surrounding area. The number of possible door phones vary by Strata DK system, with up to 12 as the maximum for larger systems.

LCD telephones display the door phone ID when calls are made to/from door phones. This helps you identify the door phone [DN]. For example, door phone 1A corresponds to Door Phone [DN] **#151**, 1B to **#152**, etc.

NO. 204 DOOR PHONE 1A
--

Features

Door Phones

➤ To answer a door phone call

1. Lift the handset
...or lift the handset
and press **LINE**.
2. Dial the door
number:

#151
#152
#153
#154
#155
#156
#157
#158
#159
#161
#162
#163

You hear dial tone.

Door Phone

1A
1B
1C
2A
2B
2C
3A
3B
3C
4A
4B
4C

Location

➤ To pick up a door phone call ringing at another telephone

- Press [DN] + **#5#30**.

The [DN] LED flashes (in-use) and you are connected to the door phone.

Note **#5#30** access is a system option that may not be turned on for your system.

► To call/monitor a door phone

1. With the handset off-hook, press a [DN].
2. Dial the [DN] for the desired door location.

You hear dial tone and the LED flashes (in-use).

A two-way talk-path exists between your telephone and the called door phone. You can audibly monitor the area around the door phone.

Note Door phone [DNs] can be stored on **SD** buttons. See [“Speed Dial–Advanced Features” on Page 63.](#)

DTMF Tone Dialing with * and

You may have to send * and # DTMF tones to some devices or services, such as a voice mail device or computer output service. DTMF tones are automatically enabled on stations with **RDL** and **SDS**. If you do not have **SDS** and **RDL**, you must first dial *, # to enable these tones.

This feature disables the Speed Dial feature during the call. Speed Dial is restored when you complete the call or place it on hold.

► To output * and # DTMF tones on a telephone without a SDS/RDL button

- Press *, then #

You can now output * and #, DTMF tones, and digits **0~9** for the duration of the outside call. This procedure must be repeated on each call when you require such output.

Emergency Ringdown/Hotline Service

The Emergency Ringdown or Hotline Service feature enables standard telephones to automatically ring a designated extension by going off-hook. Electronic telephones cannot perform this feature, but they can *receive* Emergency Ringdown or Hotline Service from standard telephones.

Emergency Ringdown is used in healthcare facilities, where it is used to assist callers who may not be able to complete a call by dialing. An example of an incoming Emergency Ringdown call is shown on the right. The calling [DN] and “Ringdown” displays whether soft keys are ON or OFF.

205 CALLING
RINGDOWN

This same feature is also known as Hotline Service and is often used for telephones in hotel/motel lobbies.

Group Listening

This feature enables you and people near your telephone to hear the called party over your speaker, but the called party cannot hear you. You can alternate between parties as long as the handset is off-hook.

- When your telephone is off-hook on a call, hold down **SPKR**.

The SPKR LED lights red.

The person to whom you are talking can be heard through the telephone speaker. The person cannot hear you.

➤ To deactivate group listening

- Release **SPKR**.

The SPKR LED turns OFF. You can talk through the handset.

Handsfree Answerback

You can talk back to internal or incoming Tie-line calls without lifting the handset.

➤ Press **MIC**.

When the call comes into your station, do not lift the handset; speak toward the telephone in a normal voice level. You hear a single long tone, followed by the caller's voice.

The LED flashes (incoming call). The MIC LED lights steady red, indicating your microphone is active. The SPKR LED flashes red.

If you have a speakerphone, the performance is better if you press the called [DN] button first.

Notes

- A [DN] must be pressed or the handset must be taken off-hook to actually answer the call. This is necessary before transferring or placing an internal call on hold.
- You can press **VOL** to control the volume of the Handsfree Answerback caller's voice and ring tone (see "[Volume Controls](#)" on Page 11 for more information).

Handsfree Monitoring

Calls placed on hold by an outside party may be monitored handsfree. This feature frees you from having to hold the handset to your ear until the outside party returns to the call.

- | | |
|---------------------------------|---|
| 1. Press and hold SPKR . | The SPKR LED lights red. |
| 2. Place the handset on-hook. | The SPKR LED stays on and you can hear the other party through your telephone speaker. |
| 3. Release SPKR . | For privacy, press MIC to turn the microphone off, otherwise, your conversations may be heard. |

Features

ISDN Outgoing Calling

4. Lift the handset when the party returns.

Note Your telephone's **MIC** can be set in system programming to switch ON/OFF with one touch, to switch OFF only while pressed and held, or to be either ON/OFF at the start of handsfree dialing. See your System Administrator if you want the setting changed.

ISDN Outgoing Calling

This feature enables you to make outgoing calls using an Integrated Services Digital Network (ISDN) trunk, provided that you are connected to a Strata DK424i, DK424 with software Release 4.0 or higher, or DK40i, and that you subscribe to ISDN lines. ISDN trunks offer faster call connection setup, and they also provide more connection circuits.

Making an ISDN outgoing call will either be handled automatically with a timer or by you initiating the ISDN "Start" sequence. The method depends on your system's programming. See your System Administrator to determine the method.

► To make an outgoing call to an ISDN trunk

1. Access an outside CO line
2. Dial the number.
3. Press **START**.

The dialed digits will not be sent until you press this button or until the timer expires.

Making an Outgoing Call with a Subaddress to an ISDN Trunk

Subaddress digits may be required for dialing another department, or to send a call to equipment, such as a printer. If you need to enter subaddress digits, follow these instructions:

1. Access an outside CO line

2. Dial the number.
3. Press **SUB**.
4. Enter the subaddress.
5. Press **START**.

This informs the system that the following digits are the subaddress.

The dialed digits will not be sent until you press this button or until the timer expires.

Message Waiting

All telephones have a standard MW/FL LED for receiving/retrieving messages left by callers that called a [PDN] that was busy or did not answer. Telephones that own [PhDNs] can also have up to four additional (flexible) message waiting [PhDN/MW] buttons and LEDs. The fourth message waiting button is reserved for the Message Center.

The MW/FL LED at the called station flashes to notify you that someone called while you were busy on another call or away from your office. You can call the other party back by pressing the **MW/FL** button. Voice mail devices, as well as people, can leave message waiting indications.

If you have an LCD telephone, up to four message waiting displays may be stored on the LCD per each [DN]. The LCD can show up to three stations that have left messages for your [PDN] and three for each of your [PhDNs]. The fourth message waiting button is reserved for the Message Center.

NO. 204 CALL 203-201+

► To answer a Message Waiting on your [PDN]

1. Press **MW/FL** and lift the handset.

Your phone rings the station or voice mail device that set the indication. The LED continues to flash red.

If you reach a station that is busy or does not answer, go on-hook and press **MW/FL** again. The system rotates to the next message sender.

Features

Message Waiting

The LCD can show up to three stations that have left messages for the [PDN] and three for each of your [PhDNs].

2. Press **SCRL** to display them.
3. After receiving the message(s), place the handset on hook.

In the example (shown at right), the display indicates that station DN [203] received a message signal from DN [201]. The “+” indicates additional messages.

NO. 204 CALL 203-201+

If the MW/FL LED continues to flash, you have more messages—repeat the Steps to retrieve them. Voice mail devices may cancel the indication after a short delay.

► To cancel the Message Waiting on your [PDN]

- Press **MW/FL** and lift the handset

...or [DN] + **#409** to cancel the light. This must be done for each message recorded.

Your MW/FL LED turns OFF when the called party answers.

Note The called party must answer by either going off-hook or by pressing **SPKR** for the call to be cancelled automatically.

Your MW/FL LED turns OFF without calling the telephone or VM device.

► **To retrieve a Message Waiting on your [PhDN]**

- | | |
|--|--|
| 1. Press the flashing red MW/FL LED. | Your phone rings the station or voice mail device that left the message. If the called party or voice mail device answers, the message waiting indication is cancelled automatically.

If there is no answer, hang up and try at a later time. The red MW/FL LED on your phone continues to flash. |
| 2. Press SPKR after receiving the message

...or place the handset on-hook. | If you have more messages, the MW/FL LED continues to flash (red). To answer the next message. Repeat this procedure. |

► **To cancel the Message Waiting on your [PhDN]**

- | | |
|-------------------------|--|
| 1. Press MW/FL . | You hear a steady dial tone. |
| 2. Enter #409 . | The dial tone stops. |
| 3. Press SPKR . | The MW/FL LED turns OFF indicating that the message has been canceled. |

Features

Microphone Cut-Off

► To set the Message Waiting LED on another telephone

1. Press [DN] and dial an internal number.

You hear ringback or busy tone.

2. Press **MW/FL** or **7**.

The MW/FL flashes red at the called telephone. The MW/FL LED lights steady red at your telephone. The LCD displays the station [203] where you set a message waiting light.

NO. 201
INT 203 MW SET

3. Press **SPKR**.

The MW/FL LED on your telephone turns OFF. The MW/FL LED on the called telephone flashes until the called party presses the flashing LED .

SENT 203
JAN 01 SUN 12:19

► To cancel a Message Waiting light set on another station

► Press [DN] and dial **#64** + [PDN] or [PhDN].

Microphone Cut-Off

This feature prevents callers from monitoring the sounds near your telephone when your telephone receives a handsfree call or cuts-off the telephone microphone. The MCO LED lights steady red and the MIC and SPKR LEDs do not light when your telephone is called. When the feature is OFF, the MCO LED is not lit and your microphone works. The **MCO** functions on Handsfree Answerback and speaker OCA calls for privacy.

► Press **MCO** to toggle Microphone ON/OFF.

Off-hook Call Announce (OCA)

This feature enables you to call and speak through the handset or speaker of an busy, off-hook telephone. The called station must be set in system programming for this feature to work. The calling station can be set in system programming for OCA to occur automatically when calling a busy station or by dialing an access code after receiving busy tone. Automatic OCA only functions on Voice First Signaling systems.

Your telephone can receive Speaker Off-hook Call Announce (SP-OCA) calls which enables callers to make an announcement through the speaker of your telephone when it is off-hook. Your telephone must be equipped with optional hardware.

When you receive an OCA call while you are on another call, you hear a short warning tone followed by an announcement through your telephone speaker.

Stations in the DND mode cannot receive OCA calls unless the calling station is programmed for DND Override.

NO. 204 210 BUSY OVRD
--

While on a speaker OCA call, **MIC** and **MCO** can be used to prevent an OCA caller from listening to your conversation with the original party (see “Microphone Cut-Off” on Page 52).

Voice First Signaling

► To make an OCA call

1. Lift the handset and dial the [DN].
2. Press **2** to OCA the station and talk, if you receive a busy tone.

You hear a single tone (optional) or nothing and can talk to the station (Automatic OCA).

An optional tone is heard at the busy station, indicating that you are connected on an OCA call.

NO. 203 205 BUSY OVR

Features

Off-hook Call Announce (OCA)

Tone Signaling

► To make an OCA call

1. Lift the handset and dial the [DN].
2. Press **21** if you hear busy tone and speak to the called station
...or **12** if you hear a ring tone and speak to the called station.

You may hear busy or ring tone.

If you hear busy or ring tone after dialing the first digit (2 or 1), disregard the tone and dial the second digit to OCA the called telephone.

If you still hear a busy tone after dialing 21 or 12, the called telephone is either busy on a speakerphone call or does not have the OCA option set in system programming. Either condition blocks OCA.

SP-OCA

► To answer an SP-OCA call

- Speak toward the microphone of your phone.

You may want to hold your hand over the handset mouth piece to prevent the other party from hearing you.

► To disconnect an SP-OCA call to your station

- Press **SPKR**.

The SP-OCA call made to your station disconnects.

Override Calls

The available override features are:

- ♦ **Busy Override** – enables you to send a muted ring tone to a busy station to indicate that a call is waiting. The muted ring is programmed for each station as two muted rings only or continued muted rings until the call is answered. This option applies to the station receiving the muted ring. The muted ring can be sent to the telephone speaker or to the telephone handset/headset and speaker.
- ♦ **Do Not Disturb Override** – enables you to send a tone to an idle or busy station in the DND mode to indicate that a call is coming in. Your telephone can be programmed to block DND Override. The LCD shows that the station you called (**210**) is in the DND mode.

NO. 204
INT 210 DND

OCA is possible to DND stations from stations that are programmed for DND Override.

- ♦ **Executive Override** – enables you to enter an established conversation. Your phone can also be programmed to block Executive Override from other phones. The **PRIV** does not block this feature.
- ♦ **Privacy Override** – enables you to enter an established call on a private common CO Line; it does not operate on common [DNs] which are always private (see “Conference Calls” on Page 39 which allow up to four parties to talk on a [DN] button).

Up to two station users can enter an existing CO Line-to-station call (i.e., up to three stations can be connected to a CO Line). You can also use this feature if the station that is already connected to the CO Line is in the Privacy Release mode. Station users with **PRV RLS** can allow stations to enter their conversations, even if the station entering the conversation is not programmed for Privacy Override.

Privacy Override is blocked by DND.

- ♦ **Toll Restriction Override** – enables toll restriction on individual stations. Each station can be allowed or denied specific area and office codes, long distance information calls, international calls, and/or operator-assisted calls. You can completely override Toll Restriction at selected stations or you can change the station Toll Restriction class. The station resumes its normal class at the conclusion of the call.

Features

Override Calls

Busy Station Override

- Press **2**.

A muted tone is heard at the busy station, indicating that a call is waiting. The station number (**210**) displays.

NO. 203
210 BUSY OVR

Do Not Disturb Override

- Press **2**.

A tone signal is heard at the DND station, indicating a call is coming in. On your station, the LCD shows the station number (**210**) you have overridden.

NO. 204
210 DND OVR

Your LCD displays **DND OVR DENY**, if the station you called denies your override.

NO. 204
DND OVR DENY

Executive Override

- Press **3**.

You enter the conversation. The called parties may hear an optional tone signal prior to your entering the conversation.

The overridden station number (**210**) displays on your LCD until the call is ended.

NO. 204
210 EXEC OVRD

The overriding station number (**204**) displays on the called station LCD until the override is disconnected.

NO. 210
204 EXEC OVRD

Privacy Override

- Press **CO**.

Connected parties may hear an optional tone signal before you are connected. Your LCD displays the CO Line identification (**CO 03**).

NO. 204
LINE 03 PRV OVRD

The overridden station LCD displays your station number (**204**).

NO. 205
204 PRV OVRD

Toll Restriction Override

1. Access a CO Line.
2. Press **CONF/TRNS** + **#47**.
3. Enter the Toll Restriction Override Code (four digits).
4. Dial a telephone number.

You hear dial tone. The LED flashes at the in-use rate.

You no longer hear dial tone and your LCD prompts you to enter a code.

NO. 204
OVERRIDE CODE

You hear dial tone. For security reasons, the override codes are only available on a selected basis. See your System Administrator.

The toll call is connected.

Page Announcements

Station users can make page announcements to telephones and external speakers.

1. Press [DN], lift the handset, and enter a paging access code.
2. Use a normal voice level to make your announcement, then repeat it.
3. Hang up.

Each of the page access codes (including the [PDN] button) can be stored on an **SD** button. See [Tables 12 and 13 on Page 109](#).

All Call Page

You can make an All Call Page to electronic telephones assigned to the “All Call Page Group.” Stations are assigned to the “All Call Page Group” in system programming.

1. Press **AC**
...or [DN] + **#39**.

The **AC** button pages “All Call Page” telephones, but does not access external page speakers.

Note **#39** may also Page external speakers as well as “All Call Page” telephones, depending on system programming.

2. Make your announcement in a normal voice level and repeat it.
3. Hang up.

Privacy On-Line

With this feature, you can block Privacy Override from being used on your CO Line. The button does not block Busy or Executive Override.

- Press **PRIV**
- ...or **PRIV** again to cancel the feature.

The LED lights steady red. Others are blocked from entering your CO Line calls when they press a common **CO** Line button.

The LED turns OFF.

Privacy Release

This feature enables others to enter your call on a common CO Line just by pressing **CO** on their telephone. It only works on common CO lines (appearing on more than one telephone). Privacy Release cannot be used on single appearing CO lines or multiple [DN] buttons. Calls on common [DNs] are always private and cannot be accessed by more than one telephone.

Similar to conference calls, up to three stations can be connected to a CO Line.

- Press **PRV RLS**.

The LED lights red. The CO Line flashes at all appearances. When another station user enters the CO call by pressing a common CO Line, the Privacy Release LED turns OFF.

To add a third station, press **PRV RLS** again and the process is repeated.

Release and Answer

This feature enables you to automatically disconnect or transfer an active call and answer a new call using a button, instead of the hookswitch. When you receive the new call, the LED flashes red and you hear a muted, Busy Override or Camp-on busy tone.

- Press **RLS/ANS**

Releases the original call and answers the new incoming call.

Note You can press **Hold** before **Release and Ans** if you do not wish to release the original call.

...or **CONF/TRNS**
and dial a “transfer to” destination. Then press **RLS/ANS**

Transfers the original call and answers the new call.

...or **DSS** of a
“transfer to” destination, then press **RLS/ANS**.

Transfers the original call and answers the new call.

Saved Number Redial

This feature enables you to store a dialed telephone or station number, then redial that number with the touch of a button.

-
- Press **SAVE**.

The last number you dialed is saved for automatic redial the next time you press this button.

Speakerphone

All electronic telephone users can answer internal calls handsfree (on-hook), but only users with a speakerphone can make and receive calls without lifting the handset. Any electronic telephone model with an “S” in the model name is equipped with a speakerphone.

-
1. Press and hold **SPKR**.
 2. Return the handset on-hook.
 3. Release **SPKR**.

The call is handsfree (on-hook).

➤ **To change from speakerphone to handset**

-
- Lift the handset.

Your call is now heard through the handset.

➤ **To make a call (on-hook dialing)**

-
1. Access a CO Line ...or press a [DN].
 2. Dial a telephone number.

You hear dial tone and the CO or [DN] LED flashes (in-use).

You hear ringback tone or busy tone, if busy.

3. Speak in a normal voice level toward the telephone.
4. Press **SPKR**.

Note Your **MIC** button must be set in system programming to ON at the start of a call. If not, you must press the **MIC** button before talking.

Your call is disconnected.

► **To answer an incoming call using speakerphone**

- | | |
|--|---|
| <ol style="list-style-type: none"> 1. Press the CO or [DN] with the flashing LED with the handset on-hook. 2. Speak at a normal voice level toward the telephone. 3. Press SPKR to disconnect the call. | <p>The CO or [DN] LED flashes (in-use) and you are connected to the call.</p> |
|--|---|

Speed Dial

Speed Dial enables you to call a telephone number with a two- or three-digit access code. There are two types of Speed Dial numbers:

- ♦ **Station**—assigned by individual station users to their own station and can only be dialed from the station that assigns it.
- ♦ **System**—assigned only from attendant consoles or a designated station (typically the System Administrator station), and can be used by other stations. (See *System Administrator User Guide* for storing instructions.)

Important! *If you do not perform the following procedures within a specified time (set in system programming for either one or three minutes) when storing speed dial numbers, the operation times out and your telephone returns to idle mode.*

➤ To store/replace a telephone number on a Station Speed Dial button

-
- | | |
|--|---|
| <ol style="list-style-type: none">1. Press RDL (or #) with the handset on-hook2. Press SD to store the telephone number on | <p>SD buttons are assigned in system programming.</p> <p>...or SDS (or *) and enter the Speed Dial code that you want to store the telephone number in. See Table 14 on Page 110 for codes.</p> <ol style="list-style-type: none">3. Enter the telephone number (max. 20 digits).
To store longer dialing strings, see Table 15 on Page 110.
To insert a pause or flash signal in the number, see “Speed Dial Pause” on Page 66.4. Press RDL (or #) |
|--|---|

The number is stored.

➤ To clear a telephone number on a Station SD button

- Repeat the previous procedure, skipping Step 3.

➤ To program one-touch telephone number dialing

- Repeat the previous procedure, except for Step 3. For Step 3, press [PDN] + CO Line access code before the telephone number. See “[CO Line Access Codes](#)” on [Page 108](#).

➤ To make a call using a SD button or access code

-
- | |
|---|
| <ol style="list-style-type: none">1. Access a CO Line.
If your SD button programmed to automatically access a CO line, skip this step. |
|---|

2. Press **SD**
...or **SDS** (or *****) +
access code. (See
[Table 14 on Page
110.](#))

The system dials the telephone number assigned to the button/code.

Speed Dial–Advanced Features

You can program Speed Dial buttons with feature access codes for a single feature or a sequence of features as long as the keyed dial pad characters do not exceed 20 digits. To determine how many digits you have, count 2 digits for **CONF/TRNS**, [PDN] and **HOLD** feature buttons and 1 digit for all other dial pad characters.

➤ To store a feature with a specific **SD** button

- Press **RDL** (or **#**) + **SD** + Feature Access Code + **RDL** (or **#**).

See [Table 7 on Page 64](#) for Feature Access code sequences. Your System Administrator can tell you which features can be programmed on your telephone.

➤ To store a feature with a specific access code

- Press **RDL** (or **#**) + **SDS** (or *****) + Speed Dial Access Code + Feature Access Code + **RDL** (or **#**).

Important!

- Do not lift the handset while entering the sequence.
- If you do not enter the entire sequence within a specified time (set in system programming for either one or three minutes), the operation times out and your telephone returns to idle mode.
- [PDNs] can be stored in speed dial sequences, but [PhDNs] and [SDNs] cannot.

Features

Speed Dial

Table 7 Feature Access Codes

Features	Feature Access Code Sequence
Account Code ¹ (Frequently used codes)	CONF/TRNS + 4446 + Account code digits
Automatic Callback	4
Background Music ² (Telephone Speaker ON)	[PDN] + 44481
Background Music ² (Telephone Speaker OFF)	[PDN] + 44480
Call Forward—All Calls (To Station or VM)	[PDN] + 44601 + Directory Number
Call Forward—Busy (To Station or VM)	[PDN] + 44602 + Directory Number
Call Forward Cancel	[PDN] + 44601
Call Forward—No Answer	[PDN] + 44603
Call Forward External	[PDN] + 44670
Call Forward External Cancel	[PDN] + 44670
Door Phone Calling	[PDN] + door phone Directory Number
Hookflash Signal ¹	CONF/TRNS + 4445
ISDN Subaddress	467
ISDN Start	469
ISDN Tone	490
Off-hook Call Announce (Manual Mode)	Voice First: 2 ; Tone First: 1, 2 1 , or 1 2
Overrides (Busy, DND)	2
Overrides (Executive)	3
Page Access ⁴	Hold + [PDN] + 44XXX 44XXX = Page Access code - see Table 12 on Page 109 .

Table 7 Feature Access Codes (continued)

Features	Feature Access Code Sequence
Park Call/Access Page The existing call is parked, and you are automatically connected to the Page.	CONF/TRNS + 44331 + [X X X] + [Y Y Y] [X X X] ³ = 900~919 or 999 park zone number; [Y Y Y] = page group/zone (See Tables 12 and 13 on Page 109 .)
Pickup ⁴ (To station, new, or transferred call)	HOLD + [PDN] + 445 + station number [PDN]
Pickup a held or ringing [PDN] or [PhDN] (not available on all systems)	[PDN] + 445442 + [X X X X] [X X X X] = [PDN] or [PhDN] to be picked up
Pickup ⁴ any ringing CO Line (new call only)	HOLD + [PDN] + 4459
Pickup Station Page or Ringing Door Phone ⁴	HOLD + [PDN] + 4454430
Pickup ⁴ External Page	HOLD + [PDN] + 4454435
Pickup Line on Hold (lines 1~99) ⁵	[PDN] + 445 + 4470(01~99)
Pickup Line on Hold (lines 100~200) ⁶	[PDN] + 445 + 447(100~200)
One-touch Voice Mail Access	[PDN] + Voice Mail [DN]
Outgoing Calls	[PDN] + CO Line Access Code, see Table 11 on Page 108 .)

1. These codes can be used during a CO Line call.
2. Background music speakers can only be turned ON/OFF from Station 200.
3. XXX = Auto Park Orbit 9 9 9 (access the next available park orbit), or General Park Zones 900~919, or [PDN] on which the call should be parked. Only use 999 with LCD telephones.
4. This feature holds an existing call when the button is pressed. If the button is pressed when not on a call, pickup or page can still be accessed. These codes can be used during a CO Line call.
5. After pressing the feature button, the user dials the line number (01~99) to pickup the line.
6. After pressing the feature number, the user dials the line number (100~200) to pickup the line.

Speed Dial Pause

Some Speed Dial numbers may require a pause (long or regular) or hookflash be included (e.g., tone delay requires a pause at the beginning of a Speed Dial number).

Hookflash	Regular Pause	Long Pause
<p>The MW/FL is programmed to allow a 0.5 or 2 seconds long (set in system programming) CO line hookflash when inputting Speed Dial numbers. It is displayed on the LCD as “F-”.</p> <p>Press MW/FL</p> <p>...or enter the hookflash dial code (CONF/TRNS + #45).</p>	<p>The pause is either 1.5 or 3 seconds (set in system programming). The LCD displays “P-”.</p> <p>Press PAU.</p>	<p>Ten-second pause, which can be entered anywhere in the Speed Dial number. The LCD displays “L-”.</p> <p>Press PAU/L.</p>
<p>Note Your telephone must have a PAU key to allow MW/FL to be used to store a hookflash in Speed Dial.</p>		

Speed Dial Number Linking

You can link any of the Station Speed Dial numbers to System Speed Dial codes or to any of the optional buttons associated with these codes. This enables up to 36 digits to be stored under one Station **Speed Dial** button or code. Typically, long, frequently used access numbers are stored as part of this digit string. The System Speed Dial number dials out first, then the number linked to it.

Note A designated station can be used to link System Speed Dial codes. See the *System Administrator User Guide*.

Important! *Before linking Speed Dial Numbers, make sure the System Administrator has stored the desired number in the System Speed Dial that you are planning to use.*

► **To link station/system speed dial numbers**

1. Press **RDL** (or **#**).
2. Press **SD**
...or **SDS** (or *****) + a Station Speed Dial Access Code. (See “[Speed Dial Access Codes](#)” on Page 110 for access codes.)
3. Press **SDS** (or *****).
Enter the System Speed Dial Access Code to which the number is to be linked. (See “[System Speed Dial Number Linking](#)” on Page 110.)
4. Enter the telephone number to be stored (max. 16 digits).
5. Press **RDL** (or **#**).
The number is stored and is automatically dialed when the optional linked station **SD** button is pressed or the linked Station Speed Dial access code is dialed.

Speed Dial Linking Example

The following examples illustrate what a System Administrator and station user can store (CO Line access code plus international long distance dialing codes in System Speed Dial locations) as linked speed dial codes.

The System Administrator stores the CO Line access code and the international dialing sequence (9011813) in the System Speed Dial location *690 from the administrator’s station.

- Press **RDL** (or **#**) + **SDS** (or *****) + **690** + [PDN] + **9011813** + **RDL** (or **#**).

Note When you press [PDN], the letter “I” (Intercom) is displayed on your LCD. It is the [PDN] that is used to automatically access internal dial tone before dialing the remaining numbers in the Speed Dial sequence (in our example that number is 9011813).

690 is the System Speed Dial Code that is to be linked.

9 is the CO Line access code.

011 is the international area code.

81 is the country code (example: Japan).

3 is the city code (example: Tokyo).

The Station User stores the System Speed Dial information on Speed Dial Code 10.

- Press **RDL** (or **#**) + **SDS** (or *****) + **10** + **SDS** (or *****) + **69058769374** + **RDL** (or **#**).

10 is the Station Speed Dial Code.

690 is the System Speed Dial Code being linked to Speed Dial Code 10.

5876-9374 is the local Tokyo telephone number.

➤ To use the new link

- Press the **SD (10)**
...or **SDS (or *)** +
10.

Your telephone automatically dials **9** to access a CO Line, the international dialing sequence (011813), and the local telephone number (58769374).

Chain Dialing Speed Dial Numbers

You can call two or more Speed Dial numbers during one call. This enables you to add additional parties (conference calls) to your conversation. Chain Dialing also allows dialing of a stored code, such as a credit card number, to send to a far-end computer.

➤ To chain dial Speed Dial numbers

1. Access a CO Line. (See [Table 11 on Page 108](#) for CO Line Access Codes.)
2. Press **SDS** (or *****) and dial the Speed Dial code for the telephone number to be dialed. (See [Table 11 on Page 108](#) for Speed Dial Codes.)
3. To dial another telephone number, press **CONF** and repeat Steps 1 and 2.

Timed Reminders

You can set five separate reminders at your station. At the time (hour and minute) set by you, your telephone beeps. If your phone has an LCD, the message is also displayed. You can set the reminder to occur once or on a daily basis.

1. Press a [DN] and dial a timed reminder number (**#605~#609**).

#605 TIMER SET

2. Enter the time you want to be reminded.
Use a 24-hour clock format (HHMM).

#605 TIMER SET 0800

3. Press **0** for the reminder to be repeated every day, or **1** for a one-time reminder only.

#605 TIMER SET 08001

4. Enter desired LCD message station number (**10~19**) or system number (**60~99**)

605 TIMER SET 0800110

...or enter **00** if your telephone does not have an LCD or if you do not want a message to display when the time reminder tone sounds.

5. Press **RDL**.

The time is recorded in memory and you should hear a beeping tone (along with the displayed message) for 30 seconds at the set time.

DATA PROGRAMED

6. To cancel the beeping/message prior to 30 seconds, press **Mode + 0** or take the phone off-hook.

Features

Tone/Pulse Dialing

► To cancel a Timed Reminder

1. Press [DN], then the number of the timed reminder (**#605~#609**) you want to cancel.
2. Press **RDL**.

You can only cancel one reminder at a time.

The reminder is cancelled.

Tone/Pulse Dialing

With some older Central Offices, you may have to make calls on CO lines that are programmed for rotary dial pulses. This feature enables you, while on these lines, to switch to tone dial in order to access remote equipment (such as an answering machine) requiring DTMF tones.

1. Access a CO Line.
2. Dial a telephone number.
3. Press **TONE** while on the call.

Although the CO Line is programmed for rotary dial pulses, access the CO Line and dial the telephone number like any other call.

The Tone LED lights steady red, and you are able to send DTMF tones with your dial pad. The feature is cancelled when the call is completed.

Two (Tandem) CO Line Connection

This feature enables a station user to connect two CO lines, then drop out of the conversation. On some systems, both **CO** buttons (or **PL** buttons) must appear on your telephone to allow Tandem connections to be established from your telephone.

► **To connect two outside lines using a [DN] button**

1. Press **CONF/TRNS** while talking on an outside call using a [DN] button.

You hear dial tone. The [DN] LED flashes (conference rate).

2. Enter a CO Line access code and then the outside telephone number.

See [Table 11 on Page 108](#) for CO Line access codes or ask your System Administrator.

3. Press **CONF/TRNS** after the party answers.

The [DN] LED flashes (in-use rate), and all parties are conferenced.

...or [DN] to return to the original connection if you receive a busy tone/ no answer.

4. Press **CONF/TRNS** and hang-up.

You hear dial tone before you hang-up. The [DN] LED flashes (exclusive-hold rate) and the two lines are connected. **N1** and **N2** identify the connected CO lines.

<p>TRK-TRK N1 N2 JAN 10 THU 11: 57</p>
--

Features

Two (Tandem) CO Line Connection

The LED turns OFF when the parties hang-up.

Note If the public telephone company provides auto disconnect, the connection may release automatically when the parties hang up. If not, the lines must be supervised to be disconnected. See [“To connect two outside lines \(using a **CO** button\)”](#) on Page 72.

► To connect two outside lines (using a **CO** button)

- | | |
|--|---|
| 1. Press CO
...or PL and dial a telephone number. | You hear dial tone. |
| 2. After the party answers, press CONF/TRNS . | You hear dial tone. The CO LED flashes (conference rate). The new CO LED flashes (in-use rate). |
| 3. Press another CO
...or PL and dial a telephone number.

...or on some systems, you can press CONF/TRNS and dial a CO Line access code and then dial a telephone number. | It is not necessary to have both CO buttons on your telephone. |
| 4. Press CONF/TRNS after the party answers.

...or the original CO button if you receive a busy tone/no answer. | The CO LEDs both flash (in-use rate) and all parties are conferenced. |

5. Press **CONF/TRNS** and hang up.

You hear dial tone. Both CO LEDs continue to flash (exclusive-hold rate) and the two lines are connected. **N1** and **N2** identify the connected CO lines.

TRK-TRK N1 N2 JAN 10 THU 11: 57
--

The LED turns OFF when the parties hang-up.

Note If the public telephone company provides auto disconnect, the connection may release automatically when the parties hang up. If not, the lines must be supervised to be disconnected.

► To supervise a tandem call and release it

1. Press [DN]
...or **CO**
...or **PL**.

You are connected to both CO lines. Both CO LEDs flash (in-use rate). **N1** and **N2** identify the connected CO lines.

TRK-TRK N1 N2 JAN 10 THU 11: 57
--

2. Go back on-hook if the parties have hung up
...or press **CONF/TRNS** and hang-up if the parties are still talking.

Both CO LEDs turn OFF, and the connection is released.

Voice Mail Integration

This section explains how to program your telephone to forward and retrieve messages when using a Toshiba Voice Mail System with your Strata DK system. Refer to the appropriate Toshiba Voice Mail User Guide for more information:

- ◆ *Strategy Voice Processing User Guide*
- ◆ *Toshiba VP User Guide*

To direct forwarded calls to your mailbox—your personal storage space for voice messages—and to ensure that callers receive your personal greeting, you must store a Voice Mail (VM) Identification (ID) code. You need to store the ID code only once.

Once the ID code is stored, whenever a call is forwarded from your station, it is automatically sent to voice mail and to your mailbox. Your [PDN] and up to four [PhDNs] can be set up for unique (or the same) mailbox numbers. Telephones must be programmed as the owners of a [PhDN] to be able to use this feature.

► To assign a voice mail message mailbox number

This procedure is required for the initial storage of VM ID code to the Toshiba Voice Mail system. Once programmed, these digits remain in memory until changed. To change the code, repeat this procedure.

1. Press [DN] + #656 .	You hear confirmation tone.	656 ID CODE SET
2. Enter the voice mail ID code and the voice mailbox [DN], plus any required pauses (up to 16 characters).	Example: for Toshiba voice mail systems, enter 91 + the mailbox number. 203 = mailbox number of the [DN] you pressed in Step 1.	91203
3. Press RDL (or #).	You hear a confirmation tone. The LCD confirms the data storage.	DATA PROGRAMED

➤ To cancel the mailbox number

- | | |
|---|----------------------------------|
| ➤ Press [DN] + #656 + RDL (or #). | Your mailbox number is canceled. |
|---|----------------------------------|

You can program a flashing **MW/FL** to automatically retrieve your voice mail messages when it is pressed. Storing the message retrieval sequence in Steps 1~4 below is required only once. It remains in memory unless cancelled or changed.

➤ To assign the message retrieval sequence

- | | | |
|--|--|------------------------|
| 1. Press [DN] + #657 . | You hear a confirmation tone. | 657 ID CODE SET |
| 2. Enter the voice mail system code and the voice mailbox [DN], plus any required pauses (16 chars. max.). | Example: for Toshiba voice mail systems, enter 92 + the mailbox number.
203 = mailbox number. | 92203 |
| 3. Enter your security code. | By storing your security code, you avoid having to enter your code every time you access your mailbox; however, this also allows anyone to retrieve your messages from your phone. If a security code is not desired, do not include it. | |
| 4. Press RDL (or #). | You hear confirmation tone. The LCD confirms the data storage. | DATA PROGRAMMED |

➤ To retrieve messages with MW/FL button

- | | |
|---------------------------------|-----------------------|
| ➤ Press the MW/FL flashing LED. | Message is retrieved. |
|---------------------------------|-----------------------|

Features

Voice Mail Integration

➤ To cancel automatic retrieval

-
- | | |
|---|----------------------------------|
| ➤ Press [DN] + #657 + RDL (or #). | Automatic retrieval is canceled. |
|---|----------------------------------|

➤ To retrieve multiple messages (LCD Telephones)

-
- | | |
|--|---|
| 1. Press MW/FL with the flashing LED. | The displayed station is called. |
| 2. Press SCRL to rotate through more message waiting sources. | When a message waiting voice mail is displayed, a V follows the station number. If a + sign is displayed, you have message waiting indications from more than one source (voice mail or stations). |

NO. 203 CALL 200 216V+

By setting Call Forward to the Toshiba Voice Mail System on your telephone, callers are automatically connected to your voice mailbox.

Note Call Forward buttons can only be used to Call Forward [PDNs]; access codes can be used to Call Forward [PDNs] or [PhDNs].

➤ To forward calls to voice mail

-
- | | |
|---|--|
| 1. Press CFAC , CFB , CFB/NA , CFNA , or CFF | The LED flashes. |
| | Note Select the button that reflects the type of call you want to forward to voice mail (e.g., forward all calls, forward busy/no answer calls, etc). |

...or a [PDN] or [PhDN] + access code.

2. Dial the Voice Mail System Directory number_____.
3. Press **CF**
...or **SDS** (or *****) + **RDL** (or **#**) + **SPKR**.

You hear a confirmation tone after entering the access code. The Call Forward access codes are:

Call Forward-All Calls:	#601
Call Forward-Busy:	#602
Call Forward-No Answer:	#603
Call Forward-Busy-No Answer:	#604

See your System Administrator for the correct voice mail [DN]. After dialing, you hear confirmation tone.

If your phone has **CF** assigned, its LED lights steady red.

► To cancel Call Forward

- Press **CF**
...or a [PDN] or [PhDN] + **#601**, then hang up.

The Call Forward LED turns off.

You hear a confirmation tone, and Call Forward is cancelled.

Features

Voice Mail Integration

This chapter covers the LCD, its buttons and displays. Special features available only with the LCD are described in detail and step-by-step instructions on using them are given. (For electronic telephone standard features, see [Chapter 1 – The Grand Tour.](#))

Control Buttons

The **MODE**, **PAGE** and **SCRL** buttons are active when your telephone is idle. [Table 8 on Page 79](#) lists button functions.

Table 8 Button Definitions

Button	Definitions
MODE	Cancels the beeping tone when using timed reminders and enables you to enter/exit the following mode functions.
	0 Used to exit another mode and return to clock/calendar display (see “To exit from any mode” on Page 80.)
	1 Busy Lamp Field (BLF) display (see “Busy Lamp Field (BLF) Display” on Page 81.)
	2 Busy station messaging (see “Silent Messaging (Busy Station)” on Page 94.)
	4 Called station messaging (see “Notification Station Messaging” on Page 91.)

Table 8 Button Definitions (continued)

Button	Definitions	
MODE (continued)	5	Displays LCD message number NN, where NN can be personal messages or system messages. Mode 5 only displays the selected message. It cannot be used to edit or create a new message.
	8	Speed Dial number check and memo dialing (see "Retrieve and Auto Dial Lost Calls" on Page 84).
	60	Caller ID/ANI/DNIS information mode OFF (see "Caller ID/ANI/DNIS Information Mode" on Page 82).
	61	Caller ID/ANI/DNIS information mode ON (see "Caller ID/ANI/DNIS Information Mode" on Page 82).
	62	Caller ID/ANI/Lost Call stored information display (see "Retrieve and Auto Dial Lost Calls" on Page 84).
	64	View Call Park Orbit list (see "Call Park Orbit List Display" on Page 84).
	94	Remote called station messaging (see "Group Notification Station Messaging" on Page 93).
	95	Remote calling station messaging (see "Notification Station Messaging" on Page 91).
PAGE	<ul style="list-style-type: none"> Changes Busy Field groups. Changes displays (date/time, elapsed time, message, call forward, dialed number). Scrolls through speed dial numbers when in Mode 8. 	<div style="border: 1px solid black; padding: 5px; text-align: center;"> NO. 204 AY 24 MON 12: 05 </div>
SCRL	<ul style="list-style-type: none"> Scrolls through message waiting numbers. Scrolls through the speed dial digits (if more than 16 digits) when in Mode 8. 	

➤ To exit from any mode

1. Press MODE .		<div style="border: 1px solid black; padding: 5px;"> MODE NO. ? </div>
2. Press 0 .	The LCD displays date/day/ time.	<div style="border: 1px solid black; padding: 5px;"> JUNE 03 TUE 03:54 </div>

Busy Lamp Field (BLF) Display

This feature displays when a station is busy or ringing on any type of [DN] or CO Line. If one or all telephone [PDNs] are in use on another telephone, the telephone shows busy on the BLF, even though it may be idle. If a telephone is in the DND mode, the telephone BLF appearance displays busy.

Starting with the number entered, the BLF displays a group of 10 [PDNs] per line; a total of 20 for the LCD. Pressing **PAGE** scrolls the display. The BLF mode stops all other displays from appearing on your LCD.

1. Press **MODE + 1**.

BLF NO. ?

2. Press **#** if [PDNs] are two digits
...or enter the first digit of a three-digit [PDN]
...or enter the first two digits of a four-digit [PDN].

For example, if you enter 2# for 200, the list of telephone [DNs] beginning with the **200** display. The sample LCD (shown at right) indicates that stations **200**, **205**, and **217** are in use or DND mode.

200 0 5
210 7

3. Press **#**.
4. Press **PAGE** to rotate BLF groups.

The **200/210** group changes to **210/220**.

210 7
220 . . 2 . 4 9

Caller ID/ANI/DNIS Information Mode

Automatic Number Identification (ANI) information cannot co-exist on the same telephone LCD with Dialed Number Identification Service (DNIS) information. If your system is programmed to receive both ANI and DNIS information on incoming calls, press **PAGE** while the call is ringing to alternate between DNIS and ANI/Caller ID LCD displays. After you answer the call, you cannot alternate between displays.

DNIS

Incoming DNIS telephone numbers can be correlated in the system database with assigned DNIS names. These names, up to 16 alphanumeric characters, display on your telephone's LCD, enabling incoming calls to be instantly identified and appropriately answered. [Table 9 on Page 83](#) shows DNIS samples.

ANI/Caller ID

If your telephone is programmed to receive Caller ID names and numbers, the calling party name displays.

➤ To display the number while the call is ringing

- While the call is ringing, press **PAGE**.

MR. JONES LINE 3 RINGING

[Table 9 on Page 83](#) shows ANI samples. If Caller ID was activated, then the caller name and/or number would appear on the first line.

➤ To activate the Caller ID/ANI or DNIS display mode

- Press **MODE + 61**. The system default is ON.

➤ To deactivate the Caller ID/ANI or DNIS display mode

- Press **MODE + 60**.

Table 9 DNIS/ANI Samples

Function	ANI/Caller ID Number ¹	DNIS/Caller ID Name
Incoming Call	CN: 7145556782 LINE 3 RINGING	TOSHIBA TSD LINE 3 CALLING
Incoming ACD Call		TOSHIBA TSD LINE 3 RINGING
Answered incoming or transferred call. Display changes to call duration.	CN: 7145556782 ANSWERED LINE 3	TOSHIBA TSD ANSWERED LINE 3
Call placed on-hold.	HOLD LINE 3 SEP 9 TUES 18:30	
Held call recalls your station.	CN: 7145556782 LINE 3 RECALL	TOSHIBA TSD LINE 3 RECALL
Station 201 is transferring a call to you (station 200).	NO. 200 201 CALLING	
Transferred station (201) hangs up.	CN: 7145556782 LN 3 TRANS 201	TOSHIBA TSD LINE 3 TRANS 201
Transferred call recalls your station (201).	CN: 7145556782 L 3 RECALL 201	TOSHIBA TSD L 3 RECALL 201
Call forwarded to your phone.		TOSHIBA TSD LINE 3 CALL 201

1. Caller ID numbers do not display **CN:** before the number, whereas ANI does.

Call Park Orbit List Display

This feature enables you to monitor (view) the calls that are parked at your station.

- Press **MODE + 64** while your phone is idle.

...or **Orbit List**. To scan the Orbit List, press **SCRL**.

LCD shows the CO Line number (**003**) and the orbit number where the call is parked (**900**).

LN 3 ORBIT 900+

Retrieve and Auto Dial Lost Calls

The system automatically saves the numbers for all calls that ring at your telephone, but are unanswered (lost calls). This feature enables you to view the stored information, view the time and date, delete the information without returning the call, and/or Auto Dial the saved numbers.

➤ **To view lost calls**

1. Press **MODE + 62**.

The phone number and caller name are displayed on your LCD. ANI/Caller ID numbers always include area codes.

MR. JONES
714553700

2. Press **SCRL**

The next lost call is displayed.

MR. SMITH
7145568725

...or *

The lost call prior to the call displayed after pressing **SCRL** is displayed.

MS. DOE
7143723546

...or **PAGE**.

You can toggle between the phone number and caller name screen and the date and time screen.

MR. JONES 7145553700

Note CN: Identifies ANI calls as opposed to Caller ID calls which do not display **CN:**.

06/02 17: 46 CN: 7145553700

► **To delete lost call**

1. Press **MODE + 62**.

The first lost call phone number and caller name are displayed on your LCD. ANI/Caller ID numbers always include area codes.

MR. SMITH 7145568725

2. Press **SCRL**

The next lost call is displayed.

...or *****

The lost call prior to the call displayed after pressing **SCRL** is displayed.

MS. DOE 7143723546

...or **#**.

The lost call information is deleted without auto dialing the call.

► **To Auto Dial the lost call**

1. Press **MODE + 62**.

The phone number and caller name are displayed on your LCD. ANI/Caller ID numbers always include area codes.

MR. SMITH 7145568725

2. Press **SCRL**

The next lost call is displayed.

...or *.

3. Press **CO**
...or a [DN] + CO
Line access code.
4. Press **LCAD**.

The lost call prior to the call displayed after pressing **SCRL** is displayed.

MS. DOE 7143723546

You hear dial tone.

The DK System auto dials the digit “1” before dialing the saved, outgoing telephone number.

Messages

The LCD on your telephone can be used to send or receive messages to/from other LCD telephone users (sample shown at right). It can also display the names/numbers of the person calling your telephone or the name of the person you are calling. Names and memos can also be set to display with speed dial numbers and timed reminders.

BACK AT 2-PM-CALL MEETING FOR 3PM
--

You can write or edit a station message (10~19), “fill in the blanks” of system messages 62~64, enter a name/title that you want to display when other stations call your station (see [“Name/Number Display” on Page 98](#)), or enter a Speed Dial (see [“Speed Dial Memos” on Page 96](#)) or Timed Reminder memo (see [“Timed Reminders” on Page 69](#)).

System messages 65~99, if available, are written by the System Administrator and cannot be edited by the user

► To enter LCD characters

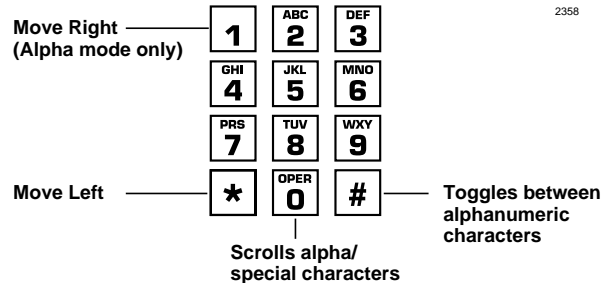
1. Access message/
memo/name display.

A cursor (—) appears at the first character in the display.

2. Enter the message/
name/memo (up to 32
alphanumeric
characters), using the
following dial pad keys
(dial pad shown at
right):
 - 1** – moves right
 - *** – moves left
 - #** – toggles between
alphanumeric mode
(dial pad defaults to
numeric mode)
 - 0** – scrolls the alpha/
special characters.

3. To blank out any
portion of a message,
press **1** (in alpha mode)
and move the cursor to
the right.

See [Table 10 on Page 87](#) for dial pad key equivalents.



Each character the cursor transverses is deleted.

Table 10 Dial Pad Key Equivalents

Letter	Key Equiv.	Letter	Key Equiv.	Letter	Key Equiv.	Symbol	Key Equiv.
A	2	J	5	S	700	:	1000
B	20	K	50	T	8	–	10000
C	200	L	500	U	80	+	100000
D	3	M	6	V	800	/	1000000
E	30	N	60	W	9	Note Symbols shown above must be made in alpha character mode on the dial pad.	
F	300	O	600	X	90		
G	4	P	7	Y	900		
H	40	Q	10	Z	100		
I	400	R	70				

There are three basic LCD message functions:

- ♦ **Advisory messaging** enables you to store an informative message for LCD telephones that call your phone.
- ♦ **Silent messaging** enables you to write a message that you can send to busy LCD telephones. Silent messaging lets you communicate visually to someone who is occupied on the telephone.
- ♦ **Notifications** enable you to send your station number and message indication to another LCD station. Responding to the message, the called station receives your message.

There are two types of messages—station and system.

System Messages 60~64

System messages 60~64 are standard messages. You can “fill in the blanks” of messages 62~64 (see below). Example: Message 64 can be edited to read **RETURN ON JAN. 4**. This message is displayed to callers with LCD phones.

System Message Number	Preprogrammed message (Max. 32 digits per message)
60	OUT TO LUNCH
61	IN A MEETING
62	CALL _____
63	BACK AT _____
64	RETURN ON _____

System Messages 65~99

System messages 65~99 can only be programmed or permanently changed at the Administrator’s telephone. Any messages programmed at Administrator’s telephone remain in memory until canceled from Administrator’s telephone or until the system is reinitialized.

Station Messages

You can create up to 10 station messages (10~19). Once entered, a message can never be deleted; only overwritten. This is a station option that is enabled in system programming.

► To enter/store a station message

<p>1. Press LCD M ...or [PDN] + #68.</p>	<p>The LCD M or [PDN] LED flashes.</p>	<div style="border: 1px solid black; padding: 5px; text-align: center;">MSG NO. ?</div>
<p>2. Enter the two-digit message number (10~19) to be stored.</p>	<p>The current message, if any, is displayed.</p>	
<p>3. Enter the message. (See “To enter LCD characters” on Page 86.)</p>	<p>The LCD M or [PDN] LED lights, and the message displays. The message is now stored in system memory.</p>	
<p>4. Repeat Steps 1~3 for any additional messages you want to store.</p>		
<p>5. Press LCD M ...or SPKR.</p>	<p>The message displays on your LCD as an Advisory Message (see below). To cancel the message display, press [PDN] and dial #68 or press LCD M.</p>	

► To set an advisory message for incoming calls

<p>1. Press LCD M ...or a [PDN] + #68.</p>	<p>The LCD M or [PDN] LED flashes.</p>	<div style="border: 1px solid black; padding: 5px; text-align: center;">MSG NO. ?</div>
--	--	---

LCD Operation

Messages

2. Enter the desired message number:
10~19 (station)
...or **60~99** (system)
3. Press **LCD M**
...or **SPKR.**
4. Press **PAGE** to display the message instead of the CF display if you have Call Forward set.

The selected message displays. This assumes the message has already been stored in memory.

MSG NO. 10

The message displays on your LCD. The LCD M [PDN] LED lights continuously. The selected message is sent to LCD phones when they call your [PDN] or any [PhDN] owned by the telephone.

➤ To cancel an advisory message that has been set at your station

- Press **LCD M**
...or [PDN] + **#68** + **SPKR.**

The LED goes out. If a station message was sent, this procedure does not erase it.

➤ To set an advisory station message for a remote station

1. Press **MODE + 95** while your telephone is idle.
2. Dial the destination [PDN].
3. Press **PAGE.**

MODE 95
DEST EKT NO.?

207 = the destination [PDN]

MODE 95 DEST EKT
EKT NO. 207

MW TO ST123
MSG NO?

4. Enter the message number (station **10~19**; system **60~99**).

This assumes the message is already stored in memory.

MW TO STXXX
MSG NO?10

5. Press **PAGE**.

Remote calling station messaging allows you to set a calling station message for only one station at a time.

6. Press **MODE**.

207 = the [PDN] where the message is to appear.
010 = the message number.
M = message is set.

CALL 207-010M

Called Station

7. Press **0**.

Your LCD shows the time and date. The message is displayed at station **207**. LCD telephones calling station **207** receives the message.

SENT 207

Your Station

Message Notification

With an LCD telephone, you can set short messages (up to 32 characters) that display to callers with LCD telephones. Any station can record a message; however, only stations with an LCD are able to see the stored messages.

Notification Station Messaging

Your station number and a message indication can be sent to another LCD station. When that station responds, it receives the message.

1. Press [PDN] and dial the station DN.
2. Press **MODE + 4**.

Station does not answer or is busy.

MW TO STXXX
MSG NO.?

LCD Operation

Messages

3. Enter the message number.

4. Press **MSG W**.

Station message (10~19), system message (60~99). The LCD displays the message. This assumes the message has already been stored in memory.

MSG W LED flashes on the called station and the LCD displays:

204 = the called [DN]
207 = the [PDN] of the station that sent the message
M = message has been sent.

Your LCD displays:

204 = the called [DN]
SENT = message has been sent.

CALL 204-207M

Called Station

SENT 204

Your LCD

5. Press **SPKR** or hang up to release.

➤ To receive a notification station message

➤ Press **MSG W** when the LED flashes.

➤ To cancel the message from the telephone that has the message set

➤ Press [PDN] and dial **#64XXX**.

XXX is the [PDN] of the telephone that has the message set.

Group Notification Station Messaging

This feature enables a station to set a Called Station Message for a group of stations.

1. Press MODE + 94 .	Prompted for the destination number.	<div style="border: 1px solid black; padding: 5px; text-align: center;"> MODE 94 DEST EKT NO.? </div>
2. Dial the destination [DN] ...or press #30 for all call page stations, ...or enter a group code (#31~#38).	Station groups correspond to the same stations that are in respective Page groups assigned in system programming. 207 =destination [DN] or group number. #31~#38 for Page Group 1~8 respectively.	<div style="border: 1px solid black; padding: 5px; text-align: center;"> MODE 94 DEST EKT NO. 207 </div>
3. Press PAGE .		<div style="border: 1px solid black; padding: 5px; text-align: center;"> MODE 94 ORG EKT NO.? </div>
4. Dial the originating [PDN].	This can be your number or another station number.	<div style="border: 1px solid black; padding: 5px; text-align: center;"> MODE 94 ORG EKT NO. XXX </div>
5. Press PAGE .		<div style="border: 1px solid black; padding: 5px; text-align: center;"> MSG NO.? </div>
6. Enter the message number (station 10~19 ; system, 60~99).	The LCD displays the message. In this example, system message 60 was entered. This assumes the message is already stored in memory.	<div style="border: 1px solid black; padding: 5px; text-align: center;"> OUT TO LUNCH </div>

LCD Operation

Messages

7. Press **PAGE**.

MSG NO.?

8. Press **MODE**.

MODE NO.?

9. Press **0**.

At the destination station, the LCD displays the originating station number and the **MSG W** LED flashes.

SENT 207M

➤ To receive a notification message

➤ Press **MSG W**.

➤ To cancel the message from the telephone that has the message set

➤ Press [PDN] and dial **#64XXX**.

XXX is the [PDN] of the telephone that has the message set.

Silent Messaging (Busy Station)

An audible tone and an LCD message can be sent to an LCD station that is busy. The busy station can return a message to the calling station LCD. The two stations may continue this procedure to carry on a “silent” conversation.

1. Press **MODE + 2** when you receive a busy tone.

The called number is displayed, **210**=[DN], and you are prompted for the message number.

OVER TO ST210
MSG NO?

- | | |
|------------------------------|---|
| 2. Enter the message number. | Station message (10~19) and system message (60~99). The LCD displays the message. This assumes the message is already stored in memory. |
| 3. Press PAGE . | The destination station beeps four times and the message displays for 30 seconds or until you hang up.

Your LCD confirms the message was sent. |

MSG SENT

➤ **To return to a busy station message after receiving a busy station message**

- | | | |
|------------------------------|---|-------------------------|
| 1. Press MODE + 2 . | You are prompted for the message number. | OVR TO ST210
MSG NO? |
| 2. Enter the message number. | Station message (10~19) and system message (60~99). The LCD displays the message. This assumes the message is already stored in memory. | |
| 3. Press PAGE . | Your LCD confirms the message was sent. | MSG SENT |

Memos

Speed Dial Memos

You can store names (12 characters maximum) for each of 40 station speed dial numbers. The memo pad of names can be scrolled to select the appropriate party. The station must be enabled via system programming for LCD message memory.

► To program Speed Dial names and numbers

<p>1. Press RDL (or #), then SDS (or *).</p>		
<p>2. Dial a station speed dial code.</p>	<p>See Table 14 on Page 110 for speed dial codes.</p>	<div style="border: 1px solid black; padding: 5px; text-align: center;"># * 10 SPEED DIAL</div>
<p>3. Press MODE.</p>	<p>If a name was previously stored on this code, it appears on the top line.</p>	<div style="border: 1px solid black; padding: 5px; text-align: center;">*10 NAME SPEED DIAL</div>
<p>4. Enter the name or memo (12 characters maximum).</p>	<p>The name appears on the bottom line as you enter it. (See “To enter LCD characters” on Page 86.)</p>	
<p>5. Press MODE.</p>		
<p>6. Enter a phone number (16 characters maximum).</p>	<p>The number displays on the top line as you enter it.</p>	
<p>7. Press RDL (or #) to record data in memory.</p>		

► To display the SD number and memo

<p>► Press MODE + 8X~X.</p>	<p>X~X is the speed dial number to be displayed.</p>	
---	--	--

➤ **To dial a SD number**

1. Press **MODE + 8** when your phone is idle.
2. Enter Station Speed Dial Code
 ...or System Speed Dial Code.
3. Press **PAGE** to see more of the directory of numbers/memos.
4. Press an available **CO** ...or [DN] and enter a CO Line access code.

SPEED DIAL NO. 10

The number is dialed.

➤ **To check a SD number**

1. Press **MODE + 8** when phone is idle.
2. Dial a speed dial number.
3. Press **PAGE** to scan the directory for the appropriate number/memo.
4. Press **SCRL** to display any remaining digits.

MODE NO.? 8

TOSHIBA is the memo (up to 12 characters).

*11 TOSHIBA
7145553700

714 583 3700 is the number (up to 16 digits).

If the number is longer than 16 digits, a “+” appears in the far right corner of the display.

Timed Reminders

See [“Timed Reminders” on Page 69.](#)

Name/Number Display

This feature enables you to enter a name/title, telephone number, location, etc. in system memory. This name/title (e.g., LOBBY) displays on your LCD while it is idle, and on other station LCDs when you call them or they call you.

Name display information for non-LCD telephones or voice mail/auto attendant devices may be entered by the System Administrator for display on other stations LCDs when called.

When this feature is set, your Name/Number displays during direct, forwarded, and hunted calls. The name/number is not displayed on overridden or OCA calls.

► To enter name/number information

1. Press [DN] + **#621**.

You are prompted for your name.

USER NAME ?

2. Enter the new information (up to 16 characters can be entered, e.g., your name and station number). See [“To enter LCD characters” on Page 86.](#)

3. Press **SPKR**.

The information is stored and appears on the top line of your station LCD.

TOSHIBA EXT. 200
DATE DAY TIME

When you call a station, the name/title displays on the bottom of the called station LCD.

NO. 213 TOSHIBA EXT. 200

➤ **To clear name/number display**

1. Press [DN] + **#620**.
2. Press **SPKR**.

You hear confirmation tone, then busy tone.

During the clear, the message on the right is displayed.

NO. 213 USER NAME RESET

After the clear, a name is displaced by message and call forward settings if they are set.

NO. 213 DATE DAY TIME

Note This procedure does not erase the name/number. To restore the display, press [DN] + **#621**.

➤ **To erase name/number display**

1. Press [DN] + **#621**.
2. Press **1** in the alpha mode to enter blanks.
3. Press **SPKR**.

Current information displays on the lower line of the LCD. You are asked for the user name.

USER NAME ?

Blank characters replace the information.

The information is erased and the [PDN] of the telephone is displayed.

LCD Operation

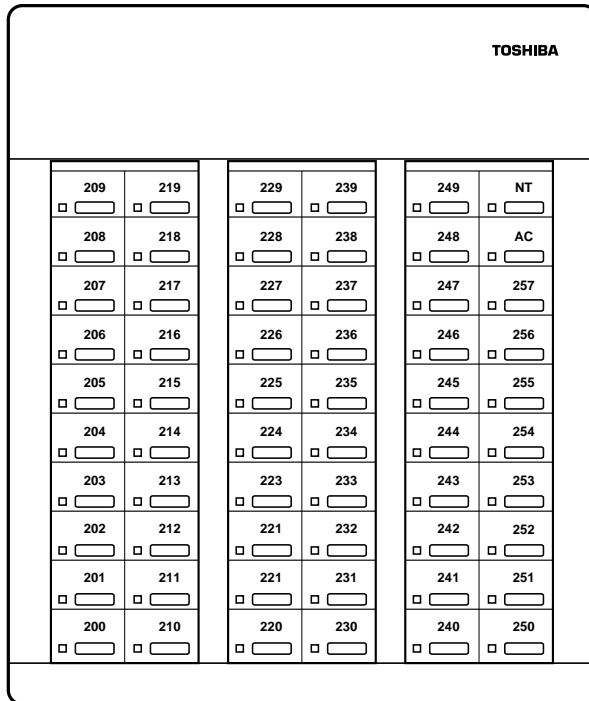
Name/Number Display

This chapter provides an overview of the Direct Station Selection (DSS) Console that is available for system operators who do not have an attendant console. It describes the features buttons and their associated LEDs. It applies to the DSS Console models HDSS2060 (see [Table 10 on Page 102](#)), HDSS1060, and HDSS6560.

The DSS Console operates alongside of a electronic telephone to provide the telephone with 60 additional feature buttons. The buttons can be programmed for:

- ✦ **CO** Line access
- ✦ **All Call Page**
- ✦ **Night Transfer**
- ✦ **Station** and/or **System Speed Dial**

LEDs on the HDSS2060, HDSS1060, and HDSS6560 models light or flash red. For the HDSS2060 and HDSS1060 models, the CO and [DSS] LEDs act in the same manner as the electronic telephone and other LEDs on both of these models is red when activated.



2039

Notes

- The button numbers shown in this figure are examples only and may not reflect the numbers on your particular station equipment.
- Not available on DK14 systems.

[DSS] Buttons

Each [DSS] button is associated with a particular station in your telephone system. It can be used to transfer an outside call to the associated station or to make a direct call to the associated station. The [DSS] LED lights steady red when the station associated with the [DSS] is ringing, busy on a call, or in the DND mode. When the associated station is idle, but all appearances of the station [PDNs] are busy or in-use by other stations, the [DSS] LED lights steady red.

Note [DSS] buttons cannot call stations [PhDNs], Distributed Hunt Groups [DNs], or ACD Groups.

Features

The LED color indications described here apply to DSS Console models HDSS2060 and HDSS1060. Flash conditions described here apply to all DSS Console models.

Calling a Station

To call a station [PDN] from a DSS Console, press the [DSS] associated with the station. A station call with a [DSS] button can be made on-hook or off-hook and with Voice First or Tone signaling. After pressing the button, treat the call like any other station call made from a electronic telephone.

[DSS] LEDs show if the associated station is idle or busy. The LED is steady red if the station is busy or ringing, and is not lit if idle. If all the station's PDN buttons are being used by other stations, the [DSS] LED of the station lights steady red, but the station may be idle. If the station is in the DND mode, its [DSS] LED lights steady red.

Transferring a Call

You can transfer internal or outside calls to an idle station from a DSS Console. You can transfer a call to a busy station from your DSS Console. Use [DSS] to transfer the call, even though the [DSS] LED for the station you are transferring to is red.

► To transfer a call to an idle station

- | | |
|---|---|
| 1. Press the [DSS] button associated with the called station. | The call is automatically placed on hold. The CO or [DN] LED flashes at double the on-hold rate, and the [DSS] LED flashes.

You hear a single-ring tone. If using the tone signaling mode, you hear successive ring tones. |
| 2. Announce the call. | With tone signaling, you have to wait for the called station to answer before announcing the call. |
| 3. Hang up. | The call rings the called station when you hang up. While the called station is ringing, the [DSS] LED is steady red, and the CO LED flashes at the on-hold rate or if on a [DN] button, it goes idle. |

When the called station answers the call, the [DSS] LED stays steady red, and the CO LED becomes steady red.

If the station does not answer before a period set in system programming, the call recalls your station.

➤ **To transfer call with camp-on to a busy station**

1. Press [DSS] corresponding to the busy station.

You may hear a busy tone. The original caller is placed automatically on hold. The CO or [DN] LED flashes at double the on-hold rate, and the [DSS] LED remains steady red.

2. Hang up.

The call rings the called station once with the camp-on tone. While the called station is receiving this tone, the CO LED on your telephone flashes (on-hold rate) or if you are on a [DN] button, it goes idle. The [DSS] LED remains steady red.

When the called station answers the transferred call, the CO LED becomes steady red. The [DSS] LED remains steady red.

Note If the busy station is in the DND mode, the call is not transferred, but recalls your telephone immediately.

If the call is not answered after a specified recall time set in system programming, camp-on is cancelled and the transferred call rings back.

Answering a (CO Line)

If your DSS Console is equipped with a **CO** button, you can answer CO Line calls from the console as you would from a electronic telephone. See [Chapter 2 – Features](#), beginning on [Page 61](#) for detailed information.

- Press the flashing **CO**.

Speed Dial

Your DSS Console may be equipped with **SD** buttons that can be programmed to dial telephone numbers or to access features. **SD** buttons on the console function like **SD** buttons on electronic telephones. See [Chapter 2 – Features](#), beginning on [Page 18](#) for detailed information.

Paging

You can make an announcement page to a group of station telephone speakers selected in system programming with **AC** on the DSS Console. **SD** (if programmed) can be used for page announcements. See [“All Call Voice Page” on Page 22](#).

Call Forward Override

Either the [DSS] buttons on your DSS Console or the dial pad on the associated telephone can be set in system programming to ring stations that are in the Call Forward mode instead of being forwarded. Usually the console’s telephone is the unit activated to perform this function. This feature can be used to notify a person who forgets to deactivate the Call Forward feature after returning to the office.

Important! *DSS buttons cannot override Call Forward.*

► To override call forward with your DSS associated telephone

1. Press **CONF/TRNS** or [PDN].
2. Dial the station number set for call forward.

Make the call as you would from any other station. This procedure assumes your station has a typical program setting.

► To override call forward with your DSS Console

- Press the station [DSS] set for call forward.

Night Transfer

You can use the DSS Console to make the system ring different telephones for incoming calls during different times of the day. See the *Strata DK System Administrator Guide* for more information on Night Transfer.

This appendix contains access codes for outside Speed Dial (SD) numbers, CO lines, Paging Group and Paging Zone Codes.

CO Line Access Codes

CO lines are used when you dial an outside number. If your telephone does not have a **CO** button, you can enter the appropriate code listed in [Table 11 on Page 108](#) to access an outside line.

You can also store the code on a **SD** button for one-touch access. If you are storing a CO Line access code onto a Speed Dial code, enter **44** before the CO access code (e.g., to store code **#7001**, enter **447001**).

In some systems, **9** is used as a general group code or to access Least Cost Routing (LCR). System users are required to dial **9** in order to access an outside line. If you press **9** in a system programmed with LCR, you may not hear internal dial tone, depending on system programming.

See your System Administrator for the code which applies to your telephone.

► To access a line

- Press [PDN] + CO Line Access Code.

Access Codes

Feature Access Codes

Table 11 CO Line Access Codes

System	CO Line Access Codes
DK14	9 or 801~804 or #7001~#7004
DK16, DK16e	9 or 801~808 or #7001~#7008
DK40, DK40i	9 or 801~808 or #7001~#7012
DK424 (RCTUA)	9 or 801~808 or #7001~#7016
DK424 (RCTUBA/BB) and DK424i (B1CU)	9 or 801~808 or #7001~#7048
DK424 (RCTUC/D) and DK424i (B2CAU/B2CBU) (B3CAU/B3CBU)	9 or 801~816 or #7001~#7144
DK424 (RCTUE/F) and DK424i (B5CAU/B5CBU)	9 or 801~816 or #7001~#7200

Notes

- ✦ **9** accesses LCR or general line group.
- ✦ **801~816** accesses line groups 1~16, respectively.
- ✦ **#7001~#7200** accesses individual lines 1~200, respectively.

Feature Access Codes

See [Table 12 on Page 109](#).

Paging Access Codes

Your telephone can be assigned to page groups. Telephones can be a member of more than one group and each group can have as many as 120 stations. Station users can access each group separately by dialing an access code (see [Tables 12~13 on Page 109](#)).

➤ **To enter a paging group access code**

- Press [PDN] + Access Code.

Table 12 Paging Groups

Paging Group	Access Code	Paging Group	Access Code
Station Group A	#311	Station Group E	#315
Station Group B	#312	Station Group F	#316
Station Group C	#313	Station Group G	#317
Station Group D	#314	Station Group H	#318

Table 13 External Paging Zones

External Paging Zone	Access Code	External Paging Zone	Access Code
DK14, DK40, DK40i, DK424, DK424i (all processors)			
Paging All Call Page Zone	#30	Paging All Call, External Page Zone	#39
DK40, DK40i, DK424 (RCTUA, RCTUBA/BB, RCTUC/D), and DK424i (B1CU, B2CAU/B2CBU, B3CAU/B3CBU)			
Zone A	#35	Zone C	#37
Zone B	#36	Zone D	#38
DK424 (RCTUE/F) and DK424i (B5CAU/B5CBU)			
Zone A	#351	Zone E	#355
Zone B	#352	Zone F	#356
Zone C	#353	Zone G	#357
Zone D	#354	Zone H	#358

Speed Dial Access Codes

The number of station and system speed dial numbers available to you depends on the size of your company's telephone system. Check with your System Administrator to find out which codes apply to your system.

Once you store a telephone number on any of the codes listed below, you can dial the number by entering the code, such as ***10** or **SD + 10**.

Table 14 Speed Dial Access Codes

Telephone System Size	Station Speed Dial Codes	System Speed Dial Codes
Small System (DK14, DK16, DK16e, DK40, DK40i, RCTUA)	10~49	60~99
Medium System (RCTUBA/BB and RCTUC/D, B1CU, B2CAU/B2CBU and B3CAU/B3CBU)	10~49	600~699
Large System (RCTUE/F and B5CAU/B5CBU)	100~139	200~999

Table 15 System Speed Dial Number Linking

System	System Speed Dial Codes that can be linked to other Speed Dial Codes
DK14, DK16, DK16e, DK40, DK40i, RCTUA	90~99
RCTUBA/BB, RCTUC/D, B1CU, B2CAU/B2CBU and B3CAU/B3CBU	690~699
RCTUE/F and B5CAU/B5CBU	990~999

Your system may be equipped with the Centrex Application, which enhances its feature capability when installed behind a Centrex or PBX system. Your telephone may have access to one or more of the enhanced Centrex features listed below.

Flexible Directory Numbering

A station [PDN] can be three or four digits. It is, therefore, possible to match a station [PDN] and Centrex line extension number. Dial the entire station number when indicated.

Note Some access code numbers may have been changed to avoid system numbering plan conflicts.

Centrex Feature Buttons

You can access some Centrex features by pressing a preprogrammed flexible button on your telephone, instead of dialing a Centrex access code. The Centrex access code, including the necessary flash and/or pause sequence, is activated when the button is pressed. See your Centrex or PBX operations manual for specific details.

Ringling Repeat

The distinctive ring patterns available in your Centrex system are automatically repeated with your electronic telephone enabling you to answer appropriately for either outside, inside or callback calls.

Delayed Ringling

CO or Centrex line(s) can be programmed for a 12-second and/or 24-second ring delay at stations to permit alternate answering conditions. Answer the line when your telephone is ringing.

Flexible Buttons

All flexible buttons must be programmed for your telephone in system programming and vary for individual telephones. If a button does not appear on your display or telephone keystick label, see your System Administrator for button assignments.

Table 16 Flexible Button Labels

Button Label	Definitions
ABR	Automatic Busy Redial Button Press to set up Automatic Busy Redial after receiving a busy tone on a dialed CO line call (not available on tie or DID CO lines).
AC	All Call Voice Page Button Press to page all of the digital and electronic telephones in the All Call Page group.
ACB	Automatic Callback Button Press to recall a busy station or station in the Do Not Disturb (DND) mode as soon as that station becomes idle or deactivates DND. Also used for CO line queuing.
ACCNT	Account Code Button Press to enter a Voluntary Account Code anytime during a Central Office (CO) line call without interrupting the conversation.

Button Labels

Flexible Buttons

Table 16 Flexible Button Labels (continued)

Button Label	Definitions
ALERT (1~4)	Alert Signaling Buttons Press to alert with a distinctive sound and to indicate a pre-arranged meaning and visual indication to a predesignated station. Up to four Alert Signal buttons can be assigned to a telephone.
ALRM	Alarm Reset Button Press to turn off a telephone alarm connected to a facility alarm mechanism.
BGM	Background Music Button Press to turn Background Music ON or OFF over your station speaker.
CFAC	Call Forward-All Calls Button Press to forward all calls to another station or voice mail device.
CFB	Call Forward-Busy Button Press to forward calls immediately to another station or voice mail device when your station is busy or in the DND mode.
CFB/NA	Call Forward-Busy/No Answer Button Press to forward calls immediately to another station or voice mail device when your station is busy or in DND mode. Also forwards calls when your station is not answered after 8~60 seconds (set at your station).
CFNA	Call Forward-No Answer Button Press to forward calls to another station or voice mail device when your station is not answered after 8~60 seconds (set at your station).
CF-EXT	Call Forward-External Button Press to forward Private or DID line calls to an external or internal telephone number.
CFF	Call Forward-Fixed Button Press to forward all calls to a station or voice mail device assigned in system programming.
CO	Line Button Press to answer or access an outside Central Office (CO) line.
CONF/TRNS	Conference/Transfer Button Press to set up conference and transfer calls.
CPD	Park Orbit Display Button - LCD Telephones Only Press to display call(s) parked in orbit. If there are multiple parked calls, a + sign appears on the LCD.

Table 16 Flexible Button Labels (continued)

Button Label	Definitions
CP/PG	Park/Page Button Press to park internal or outside call in orbit and announce to other telephones or paging speakers to retrieve the parked calls.
[DN]	Directory Number Button Press to answer a call to the Directory Number [DN] or to initiate a phone call. The [DN] is also known as an Extension Number or Intercom Number. You can have multiple [DN] buttons on your telephone, including DNs belonging to another telephone [SDN]. See "Directory Button Definitions" on Page 6 for more information.
DND	Do Not Disturb Button Press to lock your station in or out of the DND mode.
DRLK (0~4)	Door Lock Buttons Press to unlock a door lock mechanism.
DSS	Direct Station Selection Button(s) Press to ring a preselected station. The LED associated with each DSS button provides the status (idle/busy) of the station assigned to the button.
FLASH	Flash Button Press to perform the following functions: Disconnect and recall dial tone on a CO line; access Centrex or PBX features; enter a pause or flash signal when programming speed dial numbers.
GRP/PKUP	Group Pickup Button Press to pick up a call that is ringing a station that belongs to a Pickup Group that your station is a member of.
HOLD	Hold Button (Fixed) Press to hold internal or outside calls.
LCD M	Message Select Button Press to allow system and personal messages to be displayed on the optional 32-character Liquid Crystal Display (LCD).
LCAD	Unanswered (Lost) Call Automatic Dial Button Press to automatically dial the stored ANI (Automatic Number Identification) or Caller ID number shown on the LCD. Unanswered calls will be stored on this button and on the LCD.

Button Labels

Flexible Buttons

Table 16 Flexible Button Labels (continued)

Button Label	Definitions
MCO	Microphone Cutoff Button Press to turn the microphone off/on while idle, providing privacy when you receive handsfree internal calls. Also functional when your station receives calls—the Mic button controls the microphone when you originate calls.
MIC	Microphone Button (Fixed) Press to turn the microphone off/on while telephone is in use.
MODEM	Modem Button Press to reserve a modem from a pool. The LED of the button indicates the status of the modem pool. See the <i>Strata DK PC/Data Interface User Guide</i> .
MSG W	Additional Message Waiting Buttons Phantom Directory Numbers allow multiple Message Waiting buttons with LED indications for up to four different Directory Numbers [DNs] other than your Primary Directory Number [PDN]. It performs the same Message Waiting functions as the MW/FL button.
MW/FL	Message Waiting/Flash Button The MW/FL LED flashes to indicate that a message is waiting. Press the MW/FL button to call back the station or voice mail device that activated the LED. This button performs the following functions: Disconnect and recall dial tone on a CO line; access Centrex or PBX features; enter a pause or flash signal when programming speed dial numbers.
NT	Night Transfer Button Press to control the system's CO line ringing pattern for after-hours incoming calls.
NT (1~4)	Tenant Night Transfer Buttons Press the appropriate button to control the system's CO line ringing patterns for after hours incoming calls for either of the tenants that share a single Strata DK system.
NT L (1~4)	Night Transfer Lock Buttons Initiates entry of the NT Lock password. NT L LED will be on when the system ring mode (Day/Day2/Night) is locked.
PARK	Park Button Press to park internal or outside calls in an orbit. Call retrieval can be made locally from the same parking telephone or remotely from a different telephone.

Table 16 Flexible Button Labels (continued)

Button Label	Definitions
PAU/L	Pause (Long) Button Press to insert a 10-second pause when programming Speed Dial numbers.
PAU	Pause Button Press to set either a one-half or two-second pause when programming Speed Dial numbers. (The pause time is set in system programming).
[PDN]	Primary Directory Number Button Press to answer a call to the [PDN] or to initiate a phone call. The [PDN] is your Extension Number or Intercom Number. Your telephone can have up to four [PDN] buttons with your number. See “Directory Button Definitions” on Page 6 for more information.
[PhDN]	Phantom Directory Number Button Up to eight [PhDN]s can be dedicated to a station or shared by a group of stations. See “Directory Button Definitions” on Page 6 for more information.
PKUP	Call Pickup Button Press to initiate a Directed Call Pickup of CO line, [DN], and page calls.
PKUP (1~4)	Tenant Call Pickup Buttons If the system is shared by tenants, the Directed Pickup 1~4 buttons pick up ringing CO line calls for Tenants 1~4 respectively.
PL	Pooled Line Button Press to access an available CO line from a group of lines appearing under one button.
PRIV	Privacy Button Press to block Privacy Override on common CO line buttons. This button does not block Busy Override or Executive Override.
PRV RLS	Privacy Release Button Press to release privacy on common CO line buttons, enabling other station users to enter your conversations on those buttons. Privacy release does not apply to common [DN] buttons which are always private.
RDL	Redial Button Press to have the system redial the last telephone number you dialed or begin to store a speed dial number. If RDL is not programmed on your telephone, you can substitute the # key for any of its referenced procedures.

Button Labels

Flexible Buttons

Table 16 Flexible Button Labels (continued)

Button Label	Definitions
RLS/ANS	Release and Answer Button Press to disconnect or complete the transfer the current CO or [DN] call and automatically answer the new incoming CO or [DN] call. Operational for Pooled Lines, [DN], and CO line buttons.
RLS	Release Button Press to disconnect or complete the transfer of the current CO or [DN] call and to place your station in the idle condition.
SAVE	Save Button After dialing an outside or internal directory number, press to "save" the number. Later, you can have the system automatically redial the number for you when you press the button after accessing an internal or outside line.
SD	Speed Dial Button Press to Speed Dial a telephone number or feature access codes. SD buttons can be used as either System Speed Dial numbers or Station Speed Dial numbers.
SDS	Speed Dial Select Button Press to store and access Speed Dial number. If SDS is not programmed on your telephone, you can substitute the * key for any of its referenced procedures.
SPKR	Speaker Button (Fixed) Press to turn the speaker on and off. This button also selects a line or an internal [PDN] if programmed for auto preference in system programming. Also used to disconnect on-hook speakerphone calls.
START	Start Button Press to make an outgoing call using an ISDN trunk.
SUB	Subaddress Button Press to enter a subaddress on an ISDN trunk outgoing call.
TONE	Tone Button Press to change the outgoing dialing of the CO line in use from dial pulse to tone signaling.

Index

A

- about this book
 - conventions, [viii](#)
 - organization, [viii](#)
 - related documents, [x](#)
- ABR, [21](#)
- ACB, [23](#)
- access codes
 - CO line, [107](#)
 - feature, [63](#)
 - speed dial, [110](#)
 - using, [25](#)
- account code
 - calls, [18](#)
 - forced account codes (verified/non-verified), [18](#)
- alert signaling, [20](#)
- ANI/Caller ID, [82](#)
- attendant console calling, [20](#)
- auto dial lost calls, [84](#)
- automatic busy redial, [21](#)
- automatic callback, [23](#)
- automatic hold, [24](#)

B

- before you begin, [13](#)
- BGM over telephone speakers, [24](#)
- BLF display, [81](#)
- busy override, [56](#)
- button labels, [113](#)
- buttons, [3](#)
 - [DSS], [102](#)
 - [PDN], [6](#)
 - [PhDN], [6](#)
 - [SDN], [6](#)
 - CONF/TRNS, [3](#)
 - directory number, [5](#)
 - feature, [7](#)
 - fixed, [3](#)
 - flexible, [5](#)
 - HOLD, [3](#)
 - LCD, [8](#)
 - MODE, [79](#)
 - PAGE, [80](#)
 - RING, [4](#)
 - SCRL, [80](#)
 - SPKR, [4](#)
 - VOL, [4](#)

C

- call forward, 25
 - all calls, 26
 - busy/no answer, 28
 - external, 30
 - fixed, 30
 - no answer, 27
- call park
 - orbit list display, 84
 - orbits, 32
- call pickup, 35
- call transfer, 37
 - with camp-on, 37
- call waiting, 38
- called station messaging, 91
- caller ID/ANI/DNIS information mode, 82
- centrex application, 111
- CO line access codes, 107
- CONF/TRNS, 3
- conference calls, 39
- control buttons, 79

D

- date
 - time/day adjustment, 39
- delayed ringing, 112
- directory number, 5
- DISA
 - internal calls, 40
 - outgoing calls, 40
- DNIS, 82
- do not disturb (DND), 42
- do not disturb override, 56
- door lock, 43
- door phone, 43

[DSS] button, 102

DSS, 101

E

- emergency ringdown, 46
- executive override, 56
- exit from any mode, 80
- external paging zones, 109

F

- feature access codes, 63
- feature buttons, 7
- features, 103
 - call answering (CO line), 104
 - call forward override ([DSS] override), 105
 - calling a station, 103
 - night transfer, 105
 - paging, 105
 - speed dial, 105
 - transfer to an idle station, 103
- flexible buttons, 5, 113
- flexible directory numbering, 111
- forced account codes (verified/non-verified), 18

G

- group called station messaging, 93
- group listening, 46
- group pickup, 36
 - calls to other groups, 36
 - calls within your group, 36

H

- handsfree answerback, 47

handsfree monitoring, 47
HOLD, 3
hotline service
 emergency ringdown, 46

I

incoming DISA calls, 40

indicators

 LED, 10

ISDN

 buttons, 16, 48, 118
 calling with a subaddress, 48
 feature codes, 64
 outgoing calling, 48

L

LCD, 7

 buttons, 8
 operation, 79
 telephones, 25
 incoming calls, 17
 outgoing call, 17

LED indicators, 10

liquid crystal display (LCD), 7

lost calls

 retrieve and auto dial, 84

M

memo, 96

 speed dial, 96
 timed reminders, 98

message

 called station, 91
 group called station, 93
 silent (busy station), 94

 station, 89
 message notification, 91
 messages, memos, and name display, 86
 MIC, 4
 microphone cut-off, 52
 mode button, 79
 multiple directory numbers example, 7

N

name/number display, 98

O

OCA, 53
off-hook, 11
off-hook call announce, 53
on-hook, 11
outgoing DISA calls, 40
override
 busy, 56
 do not disturb, 56
 executive, 56
 privacy, 57
override calls, 55

P

page announcements, 57
page button, 80
paging group codes, 108
phantom directory number, 6
primary directory number, 6
privacy
 on-line, 58
 override, 57

Q

quick reference, 15

R

release and answer, 59

remote destination change, 31

retrieve and auto dial lost calls, 84

ringing repeat, 112

S

saved number redial, 60

scroll button, 80

secondary directory number, 6

silent messaging (busy station), 94

speakerphone, 60

speed dial, 61

- access codes, 110

- advanced features, 63

 - chain dialing, 68

 - number linking, 66

 - pause and flash storage, 66

- long pause, 66

- memos, 96

- pause, 66

SPKR, 4

SP-OCA, 54

start (ISDN) button, 16, 48

sub (subaddress ISDN button), 48

T

timed reminders, 69

tone/pulse dialing, 70

two (tandem) CO line connection, 70

- [DN], 70

supervision, 72

U

using access codes, 25

V

voice mail integration, 74

volume, 4

volume controls, 11

voluntary account codes (verified/non-verified), 18

Free Manuals Download Website

<http://myh66.com>

<http://usermanuals.us>

<http://www.somanuals.com>

<http://www.4manuals.cc>

<http://www.manual-lib.com>

<http://www.404manual.com>

<http://www.luxmanual.com>

<http://aubethermostatmanual.com>

Golf course search by state

<http://golfingnear.com>

Email search by domain

<http://emailbydomain.com>

Auto manuals search

<http://auto.somanuals.com>

TV manuals search

<http://tv.somanuals.com>