



# System Features

This section explains some of the major system features in your ADIX-VS system.

## ANI Alphanumeric ID

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ANI (Automatic Number Identification) numbers may be assigned a 16-character alphanumeric ID to identify the calling party, calling party's telephone number, type of call, or purpose of call. (Note: The telephone company often transmits ANI calls with both a number and a alphanumeric ID.) The ANI alphanumeric ID is displayed on the station LCD when a call is received on a ISDN BRI line with ANI service (requires VS-ICOTB card). A call can be routed to a station, master hunt group, or voice mailbox according to the ANI information received.

The information displayed on the station LCD during calls on ANI lines may be customized through database programming. During a call on ANI lines, you may change the way the call information is displayed by pressing the [CID Display Change] key. There are ten different display modes available to assign to the [CID Display Change] key. You can scroll through each programmed display mode choice each time you press the [CID Display Change] key.

## Automatic Number Identification (ANI) Trunks

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ADIX-VS will support ANI trunks provided by the telephone company on ISDN BRI lines. The VS-ICOTB card is required for ANI operation.

## Automatic Relay Control

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The ADIX-VS system may be programmed to operate a one-shot relay at a fixed time each day.

## All Ring Hunt Group

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All Ring Hunt Group ring all the stations in the group simultaneously instead of call hopping from one hunt group to another after a predetermined time. This allows calls to a hunt group to be answered expeditiously.

## Background Music

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If your ADIX-VS system is connected to an external music source through the VS-MISC card, the music played may be heard through the speaker in any Iwatsu telephone connected to the system. This same music source may be played through an external paging system.

## Call Forwarding

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### Fixed Call Forwarding

Allows your ADIX-VS installer to predefine call forwarding patterns for extensions. Fixed Call Forwarding does not activate the lamp on the Call Forward key and calls will always forward in the programmed sequence. Fixed Call Forwarding may be overridden by Call Forwarding entered at your telephone. All three forwarding modes may be programmed for Fixed Call Forwarding.

### Flexible Call Forwarding

Allows the user to forward calls to an internal destination or an outside telephone number (using Personal Speed Dial numbers 90-99). The user can set separate call forward destinations for internal incoming and outside line incoming calls. For instance, you could set all intercom calls to go to your cell phone, and all outside line calls to be forwarded to your voice mailbox. The Flexible Call Forwarding feature also incorporates Follow Me capabilities.

### Remote Call Forwarding

Allows you to direct outside line and/or intercom telephone line calls to forward to an external telephone number (using Personal Speed Dial numbers 90-99). Example forwarding locations include an answering service, a mobile phone, or a home telephone.

## Caller ID Alphanumeric ID

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Caller ID numbers may be assigned a 16-character alphanumeric ID to identify the calling party, calling party's telephone number, type of call, or purpose of call. (Note: Caller ID calls are often transmitted by the telephone company with both a number and a alphanumeric ID.) The Caller ID alphanumeric ID is displayed on the station LCD when a call is received on a Caller ID trunk (requires VS-2CITK card). A call can be routed to a station, master hunt group, or voice mailbox according to the Caller ID information received.

The information displayed on the station LCD during calls on Caller ID lines may be customized through database programming. During a call, you may change the way the call information is displayed by pressing the [CID Display Change] key. There are ten different display modes available to assign to the [CID Display Change] key. You can scroll through each programmed display mode choice each time you press the [CID Display Change] key.

## Caller ID / ANI / DNIS Number Storage

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When a call is received on a caller ID (VS-2CITK) or ANI (VS-ICOTB) line, ADIX-VS will capture and store in the system memory information about the caller received with the call. This information includes the caller's telephone number and name, date and time of the call, trunk number, and destination station. This information can be output as a system event code or to SMDR. Information for up to 50 calls can be stored in the system memory on a first in, first out basis. Two modes of storage are available for this feature:

- Abandon Call Storage
- All Call Storage

**Abandon Call Storage.** When Abandoned Calls Only is selected as the storage mode for this feature, information will only be stored for the following types of calls:

- Caller hangs up or is disconnected before the call is answered.
- Caller hangs up or is disconnected while on hold or during hold recall.

- Caller hangs up or is disconnected during camp-on transfer or camp-on recall.

**All Call Storage.** When All Call is selected as the storage mode for this feature, the system will capture and store information about the caller received with all calls on caller ID (VS-2CITK) or ANI (VS-ICOTB) lines.

### Caller ID Trunks

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ADIX-VS will support Caller ID trunks provided by the telephone company. The VS-2CITK card is required for caller ID operation.

### ISDN BRI Caller Name ID

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The ISDN BRI interfaces of the ADIX-VS can now receive Caller Name ID information from an incoming ISDN BRI trunk. The information displays on the LCD of the key telephone.

### ISDN Calling/Called Party Number Coding

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Iwatsu added a programmable option to code the setup messages for Calling Party Number and Called Party Number Information Elements. Recent changes in some areas now require customer provided equipment (CPE) to send information in setup messages. However, other areas cannot accept the new information. The new programming element accommodates both situations.

### Conversation Recording

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The Conversation Recording feature allows an ADIX-VS station user to record a station-to-station, outside line, or conference call to voice mail. This feature requires the VS-VML voice mail card and is available at any station that has been assigned a Conversation Recording key.

### Delayed Ringing

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Allows outside lines ringing at a telephone to ring at another telephone or group of telephones after a predetermined period of time.

### DNIS Alphanumeric ID

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DNIS (Dialed Number Identification Service) numbers may be assigned a 16-character alphanumeric ID to identify the number the calling party dialed to reach the ADIX-VS. (Note: the Telephone Company often transmits DNIS calls with both a number and a alphanumeric ID.) The DNIS alphanumeric ID is displayed on the station LCD when a call is received on an ISDN BRI line with DNIS service (requires VS-ICOTB card). A call can be routed to a station, master hunt group, or voice mailbox according to the DNIS information received.

The information displayed on the station LCD during calls on DNIS lines may be customized through database programming. During a call, you may change the way the call information is displayed by pressing the [CID Display Change] key. There are ten different display modes available to assign to the [CID Display Change] key. You can scroll through each programmed display mode choice each time you press the [CID Display Change] key.

## ADIX-VS General Description

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### Dialed Number Identification Service (DNIS) Trunks

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ADIX-VS will support DNIS trunks provided by the telephone company on ISDN BRI lines. The VS-ICOTB card is required for DNIS operation.

### Direct Inward Line

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Each outside line can be assigned to ring at up to 16 extensions. A different ringing assignment can be programmed for Day and Night modes. A ringing tone for each line can be selected from four available ringing tones. If a delayed ringing assignment is programmed for the line, the ringing changes to an incoming alarm when delayed ringing begins.

### Direct Inward Line - Hunt Group

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Outside lines can be programmed to ring at the stations assigned to a Hunt Group. The line will ring at the first available station in the hunting sequence. The same trunk can be assigned to ring at different hunt groups for day and night modes. If a station is busy or does not answer within the pre-set time, the call will ring at the next station in the hunting sequence.

### Emergency 911 Service Using Area Routing

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ADIX-VS may be programmed to provide 911 service using Area Routing. Area Routing can be used as an alternative method of routing 911 calls to provide a unique Caller ID/ANI number that represents the location of the caller in an office building.

### E-Response Help Call Feature

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With this feature, any system extension can simultaneously call a group of extensions. As part of this feature, stations may be configured with an emergency attribute. When these stations remain off-hook or pause while initiating an intercom call, a group call is automatically made to stations defined in an E-Response Group. Some specific applications of this feature are assisted living facilities, schools, medical facilities, or office buildings where a people might need help from attendants or co-workers.

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**Note:** This feature is not to be used as a replacement for Emergency 911 services.

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### External Paging

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ADIX-VS can be connected to an external paging system when the optional VS-MISC Shared Resource Card is utilized. The ADIX-VS will support two external paging zones.

### Flexible Ringing

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Outside telephone lines directed to telephones may be assigned one of four tones to provide an audible identification of the type of call.

### Flexible Station Numbering

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ADIX-VS features a flexible numbering plan. At default, each station is assigned a three-digit extension number. Through system programming, system numbering may be changed to two, three, or four digits in length.

## Hunt Group Delayed Ringing

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A Hunt Group may be programmed as the delayed ringing assignment for a trunk. If a call on an outside line is not answered at the ringing stations within a programmable duration, the call starts ringing to a hunt group. This feature makes it possible for you to send delayed calls to certain departments to voicemail or another department. For example, the Sales line can have a different delayed ringing destination than the Support line. If Sales is closed, calls might be forwarded to Support or to a Sales voice mailbox.

## Internal Paging

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When ADIX-VS is equipped with ADIX digital key telephones, any telephone may make a page announcement that will be broadcast through the speaker of assigned telephones.

## ISDN Lines

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ADIX-VS will support ISDN BRI (Basic Rate Interface) lines when the optional VS-ICOTB card is utilized. A maximum of 3 VS-ICOTB cards may be installed in the system. Each VS-ICOTB card supports one ISDN BRI Line (2 B channels + 1 D channel).

## Loud Bell Interface

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Outside telephone lines may be directed to ring a loud bell when ADIX-VS is equipped with the optional VS-MISC Shared Resource Card. Each VS-MISC card will support two loud bells.

## Master Hunt Group

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ADIX-VS will support 10 master hunt groups. Each master hunt group can contain up to 16 extensions.

A hunt group is a group of telephones that is assigned a common access code. When this code is dialed, ADIX-VS will search for an idle telephone in that group. There are two ways that calls may search for an idle extension, Terminal and Distributed Hunting. In Terminal Hunting the incoming calls always start hunting from the first telephone in the group. In Distributed Hunting the incoming calls start hunting from the telephone following the last called telephone. In both cases, calls will hunt to the next telephone if a telephone does not answer in a predefined period of time, is busy, and in Call Forward, Absence Message or Do Not Disturb mode.

## Music On Hold

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If your ADIX-VS system is connected to an external music source through the VS-MAIN Motherboard, the music played may be heard by callers that have been placed on Hold or Call Park.

## Optimized Routing

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Optimized Routing is frequently referred to as either Least Cost Routing (LCR) or Automatic Route Selection (ARS). This feature allows ADIX-VS to automatically select the most inexpensive way to make an outgoing call. The system identifies the dialed number, then selects the most cost-effective outside line group. If a line in the first choice outside line group is not available the system may be programmed to select an alternate outside line group. The Optimized Routing package in ADIX-VS provides the following features:

- Eight routing plans
- Eight outside line group choices per routing plan

## ADIX-VS General Description

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- Weekday, Saturday, Sunday, Holiday selection
- Three time periods per day
- Deletion and insertion of digits

## Paging

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ADIX-VS provides the following paging features:

### **All Call**

Allows you to make an announcement either through the speakers in the Digital Telephones and/or an External Paging System.

### **Group Call (Internal)**

Allows you to page through the speaker in a group of telephones. There may be 10 groups with a maximum of 16 extensions per group.

### **Zone (Two External Paging Zones)**

Allows you to access individual groups of external paging speakers.

### **Meet-Me Page Answer**

Allows you to answer a page from any telephone that is in the same Meet-Me Page Answer group.

## Personal Ringing Tones

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Station users may choose one of eight distinctive ringing tones to distinguish their station from others. The selected ringing tone is audible for all incoming CO calls, camp-on calls, (tone) intercom calls and during busy override.

## Power Failure Backup Memory

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In the event of a power failure, the system programming will be maintained for a period of two weeks by a rechargeable Ni-Cad battery.

## Power Failure Backup System

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Your ADIX-VS system may be equipped with gel cell batteries to maintain normal system operation in the event of a power failure.

## Remote Programming/Diagnostics

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The ADIX-VS database may be accessed and edited from a Windows® PC. Connection to the ADIX-VS may be via direct connection, dial-up connection via modem, or with the addition of the IX-IP SEGWAY Serial-to-Ethernet Gateway, over a LAN/WAN Ethernet connection. When a modem connection is used, the line used for remote programming may also be used as a regular outgoing line, and manually switched for modem use. The remote programming package includes a diagnostic service for system maintenance and trouble shooting.

### SMDR

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Station Message Detail Recording (SMDR) allows you to connect an RS232C compatible serial printer to ADIX-VS. This printer will show all incoming and outgoing call activity. The following information will be shown:

- Call number 001-999
- Date of the call
- Extension number that made/received the call
- Start time of the call
- Duration of the call
- Outside line number used for the call
- Number dialed for the call
- Account code number for the call
- Other notes for the call

### Station Coaching

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Station Coaching includes two actions: Monitoring and whisper paging (hereafter called 'whisper monitor'). A digital key telephone is able to whisper monitor a digital key telephone after invoking the Monitor feature. The Monitoring station can whisper monitor other stations while on an outside call or an intercom call and press the **†** key to speak to the monitored station without the outside party hearing.

### System Clock

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ADIX-VS is equipped with a real time clock that provides an indication of the current time and duration of both incoming and outgoing calls on the LCD display of Iwatsu telephones. The clock also has a perpetual calendar that eliminates the need to change the date.

### System Speed Dial

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Up to 90 frequently dialed numbers may be programmed in the system for abbreviated dialing. The numbers may or may not be restricted to certain extensions.

### Text Messaging

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The text messaging feature allows station users to send a 16-character text message to another system extension. There are two types of text messages, system text messages and personal text messages. A text message may be sent as either a *busy bypass/no answer text message* or as a *stored text message*. Busy bypass/no answer text messages appear on the recipient's LCD immediately. Stored text messages do not appear on the display, but instead, light the recipient's [TXT MSG] key. Stored text messages are saved in memory until the recipient manually displays them.

Additionally, you can reply to a whisper page using a text message.

Up to 90 system text messages and 10 personal text messages are available to each user. System text messages are accessible by all ADIX-VS station users. Personal busy bypass text messages are programmed by the individual station user and may only be accessed at the specific station set.

## ADIX-VS General Description

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### Toll Restriction

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The ADIX-VS system provides flexible toll restriction of both area and office codes, as well as the subscriber number. There are eight levels of restriction.

### Tone / Pulse Dialing

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Caller ID trunks may be programmed for either Touch Tone or Rotary dialing to accommodate your local telephone company central office.

### Trunk Interfaces

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ADIX-VS supports the following types of outside lines:

- Caller ID/Loop Start trunks
- ISDN BRI lines

### Uniform Call Distribution (UCD)

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Allows telephone lines to be directed to a group of telephones. Calls to the UCD group may search for an idle extension in either a Terminal or Distributed Hunting pattern. In Terminal Hunting the incoming calls always start hunting from the first telephone in the group. In Distributed Hunting, the incoming calls start hunting from the telephone following the last called telephone. In both cases, calls will hunt to the next telephone if a telephone does not answer in a predefined period of time, is busy, and in Call Forward, Absence Message or Do Not Disturb mode. ADIX-VS also provides the ability to send unanswered calls to an overflow or secondary answering position after a predefined period of time. This second answering position may be another UCD group, hunt group, extension, or attendant.

### Voice Mail/Automated Attendant Integration

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ADIX-VS can be equipped with an internal voice mail/automated attendant system when the optional VS-VML card is utilized. ADIX-VS will allow you to transfer, forward and record calls to a mailbox and provides you with a unique voice mail message waiting indication. ADIX-VS will also allow calls transferred from the automated attendant to be directed to messages other than the initial greeting if the desired party does not answer.



# Digital Telephone Features

## Alphanumeric Speed Dial By Name

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The Alphanumeric Speed Dial By Name feature allows you to access the speed dial list alphabetically. When you want to place a outside line outgoing call with the Speed Dial feature, you can search the desired Speed Dial destination alphanumerically by name.

## Abandoned Call / All Call Storage

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Allows you to display the telephone number and ID for a call on a caller ID, ANI or DNIS line. This feature may be programmed to capture information for Abandon Calls Only, or All Calls. Information on up to 50 calls may be stored in system memory.

## Absence Message Display

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Allows you to leave an advisory message for a display telephone caller if you should leave your office. Four messages are available:

- Return at (time)
- Return on (date)
- Meeting at (time)
- Call (number)

This feature only works with a Multipurpose key programmed for Absence Message [ABS.MSG]

## Account Code

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Allows you to enter a 1 to 12 digit code to either identify the caller or identify the party the call was made for. These codes are printed out with the SMDR information. Account code entry may be done before the party answers, during a conversation, or after the other party hangs up.

### Alphanumeric Display

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ADIX-VS Digital Multiline Display Telephones have a 2-line, 16-character alphanumeric LCD display that provides the following information:

- Abandon Call Information
- Absence Messages
- Account Code Input
- Call Duration Timer
- Callback CO/ICM
- Called Party Identification
- Called Party Status - BUSY/DND
- Caller ID/ANI/DNIS
- Calling Party Identification
- Camp-On
- Forwarding Extension Numbers
- Message Waiting Identification
- Real Time Clock
- Recall CO/ICM
- Reminder
- Ringing Outside Line Identification
- System Name
- Text Messages

### Alternate Tone/Pulse Dialing

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Allows you to change the dial signaling from Dial Pulse (Rotary) to DTMF (Touch Tone) after an outside call has been answered. This will allow you to use enhanced communications devices like Voice Mail and Automated Attendant.

### Answering Machine Emulation (Voice Mail Monitor)

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Station users may monitor voice mail messages as they are recorded. During recording monitor, the station user may select to initiate a conversation with the caller. ADIX-VS may be programmed for Automatic Monitor or User Initiated Monitor.

### Autodial Unit (IX-12KTD/S-2 Only)

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An Autodial Unit may be added to ADIX-VS Digital Telephones to provide an additional 16 keys for Speed Dial. The Speed Dial numbers are programmed through system programming.

### Automatic Outside Line Answer/Hold

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This programming option allows you to receive a second call automatically by simply pressing the Hold, Call Park, or existing outside line key.

### Automatic Repeat Dialing

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Allows you to instruct ADIX-VS to dial an outside party until they answer. This is accomplished by having ADIX-VS periodically activate the speaker and dial the outside party's number. Should they answer, you will hear their voice through the speaker. In order to establish a conversation, you must pick up their receiver. Should you be away from your telephone when the called party answers, they will hear silence and ADIX-VS will try to call later.

## Background Music

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An external music source such as a FM tuner may be connected to the optional VS-MAIN Shared Resource Card to provide background music either through the speaker in the telephone or an external paging system. The music is automatically turned off if the telephone or external paging system is in use.

## Barge-In

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Allows you to enter an existing conversation. A warning tone is sent to inform the parties that a three way conference has been established.

## Built-In Speakerphone

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ADIX-VS IX-12KTD/S-3 and IX-12KTD/S-2 Digital Telephones are equipped with a Built-In Speakerphone. Use of the Speakerphone allows for complete hands-free operation on external calls.

## Busy Bypass Tone Calling

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Allows you to be informed that there is a second call waiting for you to answer. This is accomplished by providing a muted tone through the speaker in the busy telephone. External and internal calls may be differentiated by frequency. This feature is a system programming option and may not be present in all systems.

## Busy Bypass Voice Calling

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While you are involved in a conversation using your receiver, Busy Bypass Voice Calling allows you to receive a voice announcement through the Busy Bypass Unit informing you that someone else wishes to speak with you. You may respond through the microphone without having to put the original party on Hold. This feature is only available if your telephone is equipped with an IX-BPCU or IX-BPAD Busy Bypass Unit.

## Busy Intercom Callback

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Allows you to instruct ADIX-VS to inform you when a busy extension that you called becomes idle. When the extension becomes idle, ADIX-VS will call you back. After you answer, the desired extension will automatically be dialed. If your telephone has a display, the display will inform you that the call is a Callback and identify the extension. You may leave one Callback message.

## Busy Number Callback

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Allows you to instruct ADIX-VS to periodically call you to try calling a previously dialed outside number again. To have ADIX-VS dial the number simply pick up the receiver.

## Busy Outside Line Queuing

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Allows you to instruct ADIX-VS that you wish to be notified when the outside lines are no longer busy. When an outside line becomes available, your telephone will ring. Picking up the receiver will give you outside dial tone. If you previously dialed the outside number, that number will automatically be dialed when the receiver is picked up.

### Busy Overriding

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Allows you to alert a busy extension user that you are waiting to speak with them. The busy extension user will hear periodic tone bursts through the speaker. If they have a display, it will identify the calling party.

### Call Coverage

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The Multipurpose Keys on the Digital Telephones may be programmed to provide both audible and visual indication of a call ringing at another extension. Calls made to an extension that is represented as a Call Coverage key on another telephone may be answered by that telephone by pressing the Call Coverage key. The visual indication is immediate and the audible indication may have one of the three modes: immediate, delayed, or no ring. When the extension monitored by a Call Coverage key is idle or on a call, the Call Coverage key will function as a Direct Station Selection/Busy Lamp Field key. The Call Coverage feature will support Intercom Tone (ringing) and Outside Line calls. A slow-flashing green lamp indicates intercom calls. Outside line calls are indicated by a fast flashing green lamp.

### Call Forwarding

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Allows you to send your calls to another extension automatically. There are three types of forwarding: All Calls, Busy/ No Answer Calls, and No Answer Calls.

#### All Calls

Forwards all calls to another extension automatically.

#### Busy/No Answer

Forwards all calls when you are busy on another call or do not answer a call.

#### No Answer

Forwards calls only when the extension does not answer within a certain time period.

#### Follow Me

When you move to a different extension, you may change the forwarding destination from the extension you originally set to the extension that you are now using:

#### External Call Forward

The External Call Forward feature allows the user to forward outside and intercom calls to an external line by using a personal speed dial number. Any telephone or voice mail port can use this feature.

### Call Monitoring

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Allows you to monitor another extension's conversation. This monitoring is silent and your extension's transmitter is automatically turned off.

### Call Park

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Call Park is similar to Hold but allows others to pick up a call even though they do not have a key representing the desired outside line.

### Call Park/Swap

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Allows you to alternate between two conversations.

## Call Pick-Up

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Allows you to answer a call ringing at another telephone. There are three types of Call Pick-Up: Direct Call Pick-Up, Internal Group Call Pick-Up, and External Group Call Pick-Up.

### **Direct Call Pick-Up**

Allows you to answer a call ringing at any extension in the office.

### **Internal Group Call Pick-Up**

Allows extensions to be grouped together. This grouping eliminates the need to dial the ringing extension number in order to answer the call.

### **External Group Call Pick-Up**

Allows you to answer a call ringing in a Group Call Pick-Up group that they are not part of.

## Camp-On

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Allows you to alert a busy extension user that an outside call is waiting for them to answer. The busy extension user will hear periodic tone bursts through the speaker. If they have a display, the display will first indicate the extension that sent the call followed by CAMP-ON. If the busy extension does not respond within a specified period of time, the call will return back to you.

## Clear Call

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Allows you to initiate a new intercom call without having to hang up if the called extension does not answer or if there was a dialing mistake.

## Conference

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ADIX-VS allows you to converse with three other people in one conversation. There may be any combination of inside extensions or outside lines. ADIX-VS will support a maximum of two four-party conferences simultaneously.

### **Add-On**

Up to one outside + three inside parties or four inside parties

### **Multiline**

Up to three outside + one inside parties

### **Trunk-To-Trunk**

Up to two outside parties

## Consultation Hold

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Places an outside call on temporary hold before a transfer or conference is completed. The call will automatically return to you if the desired transfer extension does not answer or if you dialed incorrectly. If you have a display telephone, the display will show Camp On RCL and the name of the person that the call was sent to.

## ADIX-VS General Description

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### Conversation Recording

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The Conversation Recording feature allows an ADIX-VS station user to record a station-to-station, outside line, or conference call to voice mail. This feature is available at any station that has been assigned a Conversation Recording key. *Note: In certain states it is illegal to intercept and/or record telephone calls.*

### Delayed Ringing

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When an incoming outside line call is not answered within a pre-set time, a second group of stations start ringing and the ringing signal changes to an incoming alarm. A delayed ringing assignment can be programmed for each line. This assignment is the same for both Day and Night modes. If the line is programmed for attendant outside line intercept, the primary and delayed ringing stations will stop ringing when attendant intercept occurs.

### Direct Outside Line Appearance

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Digital Telephones may have Multipurpose keys programmed as an outside line for incoming and outgoing calls.

### Direct Station Selection/Busy Lamp Field

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The Multipurpose keys on the Digital Telephones may be programmed to allow one touch intercom calling to preassigned extensions. These keys will provide an indication if the extension programmed to that key is busy or not. If the extension is busy the light will be lit.

### Distinctive Ringing - Outside Line Calls

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Each outside line can be assigned one of four available ringing tones. This feature applies only to Iwatsu Key Telephones.

### Distinctive Ringing - ICM/Outside Line

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Intercom and outside line calls provide different ringing tones.

### Do Not Disturb (DND)

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Allows you to make your telephone busy so you will not be interrupted by telephone calls. However, the following type of calls may override Do Not Disturb: DSS Calls, Operator Calls, Secretarial Calls and Executive Override Calls.

### Exclusive Hold

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Allows you to place an outside call on Hold that cannot be picked up by another extension.

### Executive Override

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Is the same as a Busy Override with the additional ability to override an extension in Do Not Disturb. This override may be either a voice announcement or tone signal.

## Extension Number Display

Allows you to display your extension number if you have a display telephone.

## Feature Key Display

Allows you to display what is programmed on your telephone's feature keys.

## Flash

Allows you to receive dial tone on the same outside line without having to hang up. Flash may also be used to receive intercom dial tone to place another intercom call. Two different Flash settings may be programmed to allow for the use of Centrex or PBX features.

## Flexible Key Assignment

ADIX digital telephones have programmable keys that may be programmed to operate specific system features. The following features can be assigned to these keys.

Feature	Phone Display		Feature	Phone Display
	((FEAT][#][9] + [key] from KT)			((FEAT][#][9] + [key] from KT)
Abandoned Call at Station Key	Abandon Call Sta		Extension Database Display Key	EXT Number
Abandoned Call at Trunk Group Key	Aban Call Trk Gp		External Group Pick-Up Key	Call Pickup Out
Abandoned Call Delete	Del Abandon Call		Feature Operation Key	Feature
Abandoned Call System Key	Abandon Call Trk		Flash Key (Long)	Flash
Absence Message Key	Absence Message		Flash Key (Short)	Short Flash
Account Code Entry Key	Account Code		Flexible Qualification Code Entry	QUALIFY
Add-On Conference/Barge-In Key	ADD		Floating CO Group Selection Key	FLT
All Call - Press Page Key	Press Page		Floating CO Group Termination Key	FLT #
All Call Page Key	ALL		Group Call Key (internal page groups)	Group #
Automatic Repeat Dialing Key	Auto Repeat Dial		Group Park Key	Group Park #
Background Music Key	BGM		Headset Control Key	Headset or HEADCTL
Busy Number Callback Key	Timed Trunk Queu		Hold	Hold
Call Connect Key	Connect		Hold/Do Not Disturb Key	HOLD/DND
Call Coverage Key – Delayed	Delayed #		Hold/Quick Forward Key	HOLD/Quick FWD
Call Coverage Key – Immediate	Immed. #		Hunt Group Key (external page groups)	Hunting
Call Coverage Key – No Ring	No ring #		ICM Calling Mode Key	Calling Mode CHG
Call Forward Key	Call Forward		Intercom Line Call Back Key	ICM Call Back
Call Monitoring Key	Monitor		Intercom Line Termination Key	ICM
Call Park Key	Individual Park		Internal Group Pick-Up Key	Call Pickup In
Call Park Pick-Up Key	Call Park Pickup		Last Number Redial	Last No.Redial
Call Release Key (for headset stations)	Release		Meet-Me Pick-Up Key	Meet Me
Caller ID/ANI/DNIS Display Change Key	Display Change		Memo Dial Key	Memo Dial
CNIS Off Key	CNIS OFF		Message Key	MSG or MBOX

## ADIX-VS General Description

Feature	Phone Display		Feature	Phone Display
	((FEAT][#][9] + [key] from KT)			((FEAT][#][9] + [key] from KT)
Conversation Record Key	REC		Microphone Cut-Off Key	MIC
DCKT970 Virtual Key	Wireless Virtual		Optimize Key	FLT 00
DID Remote Call Transfer	PTRAN		Override Key	Over Ride
Direct Call Pick-Up Key	Spec. Call Pickup		Privacy Release Key	Privacy Release
Direct CO Line Termination Key	COL #		Remote Call Forwarding Key	Remote Call FWD #
Remote Control Key	Relay #		Text Message Group Key	MSGGPn
Saved Dial Key	Save No. Redial		Text Message Key	TXT MSG
Separator Key	Separate		Text Message Preprogrammed Key	TXT MSGn
Speaker Duplex	SPK DPX			
Speaker Key	Speaker		Time Reminder Key	Reminder
Speed Dial Key	Speed Dial		Transfer Key	TRN
Speed Dial Key (Personal)–One-Touch	Speed Dial 90-99		Trunk Call Back Queuing Key	Trunk Queuing
Speed Dial Key (System)–One-Touch	System Speed 00-89		Universal Night Answering Key	UNA Pickup
Station Lock Password Key	Station Lockout		Voice Mailbox Access Key	VML Hunting
Substitute Key	Substitute		Voice Mailbox Monitor	VML Monitor
Direct Station Signaling Key	DSS #		Voice Message Playing Key	Message Service
Display Scroll Key	LCD Mode Change		Voice/Data Exchange Key	V-Data Exchange
DP to DTMF Signaling Change Key	Dial Reverse		911 Display Clear Key	911 Display CLR

## Floating Outside Line Group Access

Allows for a number of outside lines to be assigned to one of 10 groups. These groups may be used for incoming calls, outgoing calls or both incoming and outgoing calls.

## Forced/Verified Account Code

Requires you to enter a 1-12 digit code to make outside calls. These codes may be either fixed or variable in length and each telephone may be programmed for one of the four following account code entry options.

- Forced-Toll:** code entry required only for toll calls
- Forced-All:** code entry required for all calls
- Verified-Toll:** valid code entry required only for toll calls
- Verified-All:** valid code entry required for all calls

A table of 10 telephone numbers may be programmed to allow calling without account code entry. This option is very helpful because it allows important emergency numbers to be dialed by anyone. The verification table, for verified account code entry, shares memory with System Speed Dial and may contain 80 account codes. The Forced/Verified Account Code programming allows the option of having or not having the account code displayed on the LCD of the telephone and the SMDR printout.

## Full/Half Duplex Speakerphone Mode Switching

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IX-12KTD/S-3 Digital Key Telephones can be changed from full duplex to half duplex through the operation of the **Speaker Duplex** key.

## Group Monitoring

---

Allows you to let others listen to your conversation through the speaker of the telephone while you converse using the receiver.

## Group Park

---

By placing a call on Group Park all extensions with the appearance of that Group Park key will have a flashing indication and be able to pick up that call.

## Hands-Free Answerback on Intercom

---

Allows you to answer an intercom call without lifting the receiver or pressing the Speaker key. The called extension will hear a tone to indicate that a two-way communication between their extension and the calling extension has been established. The called extension may turn the off the microphone if desired.

## Headset Key

---

Allows you to alternate between using the handset (receiver) and the headset.

## Headset Connection

---

Digital telephones can operate with a headset instead of the handset (receiver). Use of the headset requires the handset to remain in the cradle of the telephone. The Headset Control key provides one-touch control of the headset.

## Hold/DND, Hold Recall Time and Hold/Quick Forward

---

Any outside call can be put on Hold by using the Hold, Do Not Disturb key. This call will recall after a certain amount of time elapses. Should this occur, a ringing tone will sounds that will be different than the tone of an incoming call. If after a certain amount of time the call is not picked up, it will automatically be forwarded to the attendant.

Additionally, you route calls to a fixed designation (such as a voice mailbox) using the Hold/Quick Forward key.

## Hot Line

---

If your telephone is programmed to have this feature every time you lift the receiver or press the Speaker key [SPKR] a call will be placed to a predetermined extension.

## Howler Tone

---

If your receiver is off hook for more than 20 seconds with no action taken, ADIX-VS will provide a howler tone to alert you of this condition.

## **ADIX-VS General Description**

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### **I-Use / I-Hold Indication**

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The Multipurpose keys on ADIX telephones have dual colored LEDs to distinguish outside line calls in progress or on hold at a station from calls at other stations. Several LED lamp patterns are also provided, enabling users to identify call status. Versa-Phones have red LEDs only.

### **Intercom (ICM)**

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All telephones in an ADIX-VS system may place an intercom call to another telephone for internal conversations.

### **Last Number Redial**

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Allows you to automatically dial the last outside number called.

### **Master Hunt Groups**

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ADIX-VS allows extensions to be programmed into Hunt Groups. Each Hunt Group is assigned an access code and when dialed the system searches for the first idle extension.

### **Memo Dial**

---

Allows you to save a telephone number in memory while you are speaking on an outside line. The memory is shared with Save Number Redial.

### **Message Waiting**

---

Allows you to light a lamp at another extension to inform them that you wish to speak with them.

### **Message Waiting Indication**

---

An ADIX Digital Telephone Multipurpose Key programmed as a MBOX key for a specific voice mailbox will flash red to indicate a message waiting in that mailbox. Pressing the MBOX key will automatically access the assigned voice mailbox. When this feature is programmed, the Message Waiting feature described above is disabled.

### **Microphone Cut-Off**

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Allows you to disable the microphone in your telephone for privacy.

### **Off-Hook Outgoing Call**

---

This programming option allows you to automatically dial an outside party by simply picking up the receiver. This feature makes use of the System Speed Dial feature.

### **Off-Hook Outside Line Answering**

---

Allows you to answer an outside call without having to press the key representing the ringing line.

## Off-Hook Outside Line Queuing

---

Allows you to instruct ADIX-VS that you wish to wait for an outside line when all outside lines are busy. This feature is used only when outside lines are grouped to appear under one or several outside line keys.

## One Touch Optimized Key

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The One Touch Optimize Key provides one-touch access to optimized routing. To make an optimized call, a user simply presses the [Optimized] key.

## On-Hook Dialing

---

Allows you to dial an extension or outside line without having to lift the receiver. The receiver must be picked up to converse if your telephone is not equipped with a Speakerphone.

## Outside Line Call Restriction

---

The system can be programmed to restrict any telephone from making outside line calls on specified outside line groups.

## Outside Line Pick-Up Restriction

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The system can be programmed to restrict stations from accessing incoming calls on specific outside lines. Three different levels of restriction are available. This does not affect the restricted station's ability to make outgoing calls on these lines.

## Personal Ringing Tone

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You may choose one of eight personal ringing tones to distinguish ringing at your station from others.

## Preset Dial/Backspace Dialing

---

This programming option allows you to dial an intercom or an outside telephone number and have the number appear on the display of your Digital Multiline Display Telephone before the call is placed. This procedure ensures that the correct number will be dialed.

## Prime Line Access

---

This programming option allows you to have immediate access to either your intercom extension, a desired outside line, or optimized routing upon going off-hook.

## Privacy/Privacy Release

---

All conversations are private and no one may enter a conversation unless you release the privacy for that conversation.

## Private Line

---

This programming option allows a telephone to have a dedicated outside line appear on one of its Multipurpose keys. This line will have the following characteristics:

## ADIX-VS General Description

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- It will ring if the station is in Do Not Disturb
- It will not be Call Forwarded
- It cannot be accessed by other extensions

## Protected Station

---

This programming option provides you the ability to prevent any calls from overriding.

## Quick Mode Operation

---

This programming option enables you to access an outside line or your intercom extension by simply pressing the desired key. This activates the speaker and allows for immediate On-Hook Dialing. If your extension has a Speed Dial number assigned to a Multipurpose key, ADIX-VS will automatically select a line and dial the number.

## Remote Relay Control

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Allows you to activate/control a remote device. Some examples would be a door opener or a monitor camera.

## Ring Muting

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Allows you to turn the ringer, microphone, and speaker off at your telephone. Ring Muting is recommended instead of Do Not Disturb when the Call Coverage feature is installed.

## Save Number Redial

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Allows you to save a number that you dialed when you receive either a busy signal or no answer. The memory for this feature is shared with Memo Dial.

## Shift Call

---

Allows you to initiate a new intercom call without having to hang up if the called extension does not answer or if there was a dialing mistake. This differs from Clear Call by allowing you to dial the last digit of an extension number to reach the next extension.

## Speed Dial

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Allows you to have abbreviated outside number dialing.

### System Speed Dial

Allows you to have access to frequently dialed outside numbers that are common to everyone in the office. The numbers may be 32 digits in length and may include the insertion of a pause. There may be 90 System Speed Dial Numbers.

### Personal Speed Dial

Allows you to program up to 10 frequently dialed outside numbers for either one-touch or abbreviated dialing. The numbers may be 32 digits in length and may include the insertion of a pause.

## Station External Ringer Connection

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Allows for the connection of an external ringer through an IX-LRSP to provide loud ringing on incoming calls.

## Station Restriction Password

---

You may enter a personalized password to prevent anyone from using your telephone when you are not present. The password must be programmed through system programming and may be six digits in length.

## Station Class of Service Change

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Station users may change various personal parameters on their ADIX-VS telephone from their network PC using the ADIX User Programmer Version 2.0 software. A brief list of the changeable parameters includes Station Username and Password, Personal Speed Dial Numbers, Personal Text Messages, Key Layout and Fixed Call Forward Destination. The IX-IP SEGWAY Serial-to-Ethernet Gateway connected to the ADIX-VS is required to access this feature.

## Text Messaging

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Allows you to send text messages to the display of another system extension.

### System Text Messages

Allows you to have access to frequently used messages that are common to everyone in the office. The messages may be 16 characters in length. A maximum of 90 may be stored in system memory.

### Personal Text Messages

Allows you to program up to 10 frequently used messages for either one-touch or abbreviated access. The messages may be 16 characters in length.

## Time Reminder

---

Allows you to be reminded that it is a certain time. You are reminded by hearing tones that are generated from the telephone's speaker. If your telephone has a display the word Reminder will also appear. The time must be entered in military time.

## Tone/Voice Calling

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The calling mode for intercom calls may be switched between voice and tone signaling. ADIX-VS may be programmed to allow either the calling party or the called party to have control of the signaling mode.

## Transfer (Screened/Unscreened)

---

An outside line call may be transferred to another station by either announcing the call (Screened Transfer) or without announcing the call (Unscreened Transfer) to the receiving station. The called station can identify the transferring extension number if provided with an LCD display. Camped-on calls recall the station if not picked up within the programmed time (0-255 seconds) or if the receiving station is restricted from picking up the call. The TRAN key on key telephones may be used for this feature.

## Transfer Off Premise

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## **ADIX-VS General Description**

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Off Premise Transfer enables any ADIX-VS system station user on an outside line call to transfer the call to another party over a different outside line.

## **Transfer to Guest Mailbox**

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Allows access to voice mailboxes not associated with specific ADIX-VS extensions. The guest mailbox may be accessed from any system extension.

## **Unanswered Incoming Outside Line Warning Tone**

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After a programmable time, incoming calls will ring with a different tone to warn you that your call is now in the delayed ringing mode at another extension.

## **Universal Night Answer**

---

Allows you to answer calls that have been switched to ring at the Night Mode location.

## **Voice Mail Message**

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ADIX-VS has been designed to provide full integration with the Omega-Voice VMI Voice Mail/Automated Attendant. ADIX-VS will allow you to transfer, forward and record calls to a mailbox and provide you with a unique voice mail message waiting indication. ADIX-VS will also allow calls transferred from the automated attendant to be directed to messages other than the initial greeting if the desired party does not answer.

## **Whisper Monitor**

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See Station Coaching on page 29.

## **Whisper Page**

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The Whisper Page feature allows ADIX-VS station users to communicate with a busy extension without interrupting a call in progress. When a busy station is called using the Whisper Page feature, the busy station will hear the voice announcement through the handset receiver. The station receiving the Whisper Page can choose to communicate with the calling station by pressing the [\*] key or using the Text Message Feature (pages 29, 43). Neither the voice of the station sending the whisper page, nor the busy station's response is audible to the outside party. The station sending the whisper page receives a confirmation tone and the busy station receives a conference tone to indicate their station is in the Whisper Page state.