



Wave Digital Phone Feature Comparison Guide

Document #:
Created: 12/27/06
Author: Christopher Doyle
Last Updated: 8/9/2007 10:25:00 AM
By: Christopher Doyle

Company Confidential and Proprietary Information

**Vertical Communications, Inc.
3979 Freedom Circle, Ste. 400
Santa Clara, CA 95054**

This Page Intentionally Left Blank

Revision History

Revision	Issue Date	Author	Description of Change
001	12/27/2006	Christopher Doyle	Initial draft
002	1/1/2007	Christopher Doyle	Additional feature content.

This document contains confidential and proprietary information of Vertical Communications, Inc. and is protected by the copyright laws of the United States, international copyright treaties, and all other applicable national laws. Any unauthorized use, reproduction or transfer of any information in this document is strictly prohibited. © Copyright 2006 Vertical Communications, Inc. (subject to limited distribution and restricted disclosure). All rights reserved.

This document contains information regarding techNPlogy that is protected under one or more of the following United States patents: NPs. ????????? and others; certain foreign patents; and other pending United States and foreign patents.

Restricted Rights NPTice

Use, duplication, or disclosure by the United States Government is subject to restrictions as set forth in subparagraphs (c)(1) of the Commercial Computer Software - Restricted Rights clause at FAR Section 52.277-19 or (c)(1)(ii) of the Rights in Technical Data and Computer Software clause at DFARS Section 252.277-7013, as applicable. Unpublished - rights reserved under the copyright laws of the United States. Vertical Communications, Inc., 3979 Freedom Circle, Ste. 400, Santa Clara, California 95054, USA.

All trademarks identified by the TM or ® symbol are trademarks or registered trademarks, respectively, of Vertical Communications, Inc.. All other trademarks belong to their respective owners.

TABLE OF CONTENTS

INTRODUCTION5

EXECUTIVE SUMMARY5

FEATURE MATRIX6

1 Introduction

This document specifies the differences in digital phone features between the Vertical Wave IP 2500 system Edge 100 digital phones and Comdial FX II/MP5000 EP100 Series and SCS Series digital phones.

The feature comparison is in the form of a Feature Matrix where a check mark (✓) means the feature is available and a hyphen (-) means the feature is not present for the respective system.

2 Executive Summary

Wave IP 2500 supports the entire Comdial SCS and EP family of digital phones with the exception of the large screen display and attendant console.

While the greater portion of Comdial digital phone features have been included in the initial release of the Wave IP 2500, features will continue to be added in future releases and several features are now available via the ViewPoint desktop graphical user interface.

3 Feature Matrix

Station Feature	Description	Comdial EP100 and SCS	Wave
Assist Button	Lets you send a message requesting assistance to the LCD of another phone.	✓	-
Auto Configuration	Allow the user to select an extension number from the phone for a phone that has configured, but Not assigned a slot/port address.	✓	✓
Auto Dial (Speed Dial)	Auto Dial allows you to dial frequently used telephone numbers with one button. You can also use your Auto Dial keys to dial digits while a call is connected.	✓	✓
Automatic Redial	Automatically redials the last number dialed once per minute for 10 minutes.	✓	-
Automatic Set Relocation	Allows you to move your phone and accept the settings at the new location or retain you existing settings.	✓	✓
Block Call Waiting	Call Waiting is Blocked for the duration of the current call. If a Call-Waiting Feature Key is configured, pressing the Call-Waiting Key with NP incoming Call-Waiting Call will activate the Block Call Waiting Feature.	✓	✓
Both Button	Conferences current party with last party placed on hold.	✓	✓
Busy Forwarded Call	Places a call to the selected destination with an indicator that a previous destination is busy. Typically used to blind transfer a call to another party's mailbox. To create a feature key, the key is configured as an optioned transfer key with the voicemail pilot number as the destination number. The user then presses the optioned transfer key and enters the digits for the desired voicemail box.	✓	✓
Button Query	Allows users to display the function of programmable buttons on LCD phones.	✓	✓
Call Forward (including CFOS)	Enables / disables user forward. Key may be configured to set forwarding to a predetermined target (on or off-site).	✓	✓
Call Divert Station	This lets you press a key on an incoming call that forces the call to another extension. You can use it whether you are busy or idle.	✓	-
Call History	Call history of incoming, outgoing, and missed calls. <ul style="list-style-type: none"> • Last 10 outgoing calls • Last 10 incoming calls • Last 10 missed calls 	✓	✓
Call Park (Self and System)	<i>Self</i> - Allows a user to park a call on the active extension or appearance. Pressing the key without an active call allows the user to either enter the extension number where the call was originally parked or '#' to retrieve the call. <i>System</i> - Allows a user to park a call in one of the ten parking slots. Pressing the key without an active call allows the user to enter the parking slot # to retrieve a previously parked call.	✓	✓

Station Feature	Description	Comdial	Wave
Call Pickup	Call Pickup allows you to answer inbound calls on other extensions. You can pick up a call on any extension within your call pickup group. If the line key you use to pick up a call is not part of a call pickup group you can pick up other calls on lines that do not belong to a call pickup group. There are two types of Call Pickup: Extension Pickup and Group Pickup. Extension Pickup allows you to answer any ringing primary or secondary line in your call pickup group. (see Group Pickup)	✓	✓
Call Record	Allows the user to silently record the current conversation. The conversation is stored in a previously configured mailbox.	✓	✓
Call Return	Calls the number of the last incoming call on the selected extension if caller ID was provided.	✓	✓
Call Waiting	Allows the primary extension to answer a second incoming call on the same extension.	✓	✓
Call Waiting (Tone)	A user can send a call waiting tone to signal a busy station that he or she wishes that station to contact them. They will do this by dialing a special code when they encounter a busy signal and reoccurs until the calling party hangs up. The frequency of the call waiting tone is programmed by the installer.	✓	-
Camp-on (Callback)	Used to enable and disable camp-on. Also for camp-on transfer.	✓	✓
Centrex Flash	Used to access Centrex features. Wave will initiate a flash on the connected Centrex trunk.	✓	✓
Conference	Used to access the conference feature. Pressing the Conference key puts the current call on soft-hold (consultation hold) and allows a second call to be established. Pressing the Conference key a second time will join the two calls together in a single conference. Wave supports both ad hoc and meet me conferencing.	✓	✓
Data Button	Selects the data mode during DIU operation.	✓	-
Delayed Ringing	Ability to specify a ring delay between members of a hunt group. This is a modified Ring All Hunt Group.	✓	-
Dial By Name	Ability to make a call by using the keypad to enter a known name. Dial by Name works for both Int(ernal) and Ext(ernal) Names. The only difference is which database is searched. Searches are done either Last Name, First Name or First Name, Last Name.	✓	✓
Direct Mailbox Access	Press Message Waiting key to directly access Voice Mail.	✓	✓

Station Feature	Description	Comdial	Wave
Direct Station Select/Busy Lamp Field (DSS/BLF)	Used to indicate the call status of an extension or appearance (Busy Lamp Field) and allows a call to be directly placed to a selected extension (Direct Station Select). The DSS/BLF LED does not indicate DND and forwarded conditions. The DSS/BLF key can have the following properties: <ul style="list-style-type: none"> • Blind Transfer - the current call is automatically transferred to the targeted extension. • Consult Transfer - the call to be transferred is put on hold and a call is made to the target extension where a conversation may take place before the original call is transferred. This is the default option. 	✓	✓
Direct Trunk Select	Test setting to allow a technician to place an outgoing call on a particular trunk.	✓	✓
Directed Park	Allows a user to park a call on the selected extension. Pressing the key without an active call allows the user to enter the extension number where the call was originally parked to retrieve it.	✓	✓
Do Not Disturb	Enables / disables Do not Disturb (DND) feature. When DND is enabled, the phone is removed from the list of ringable (audible ringing) targets. If there are NP ringable targets, the call follows the busy target rules. If there is any ringable target, then that phone will ring and those in DND (or configured to not ring) will have the LED and LCD set to the appropriate condition.	✓	✓
Do Not Disturb Override (same as Exec Override)	Call can override a DND with a code.	✓	-
Enhanced Autodial	In addition to keypad digits, allow the autodial key to use store FLASH and PAUSE in the dialing stream.	✓	✓
Extension Pickup	Picks the designated ringing call within the configured pickup group. If an extension is not configured to be a member of a pickup group, the extension being picked must also not be configured to be a member of a pickup group.	✓	✓
Flash	If you do not have feature keys for Call Park, Call Waiting, Centrex Flash, Conference, or Transfer, a Flash key is required to use these features. The Call Park, Centrex Flash, and Conference features require you to enter a feature code after pressing Flash.	✓	✓
Follow Me Forward	Allows the user to forward another extension number to this extension number.	✓	✓
Group Intercom (Multiple Primary Extension Appearance)	Ability to configure a phone with the primary extension assigned to multiple feature keys. The user would then be able to manage multiple calls via an associated button. The number of simultaneous calls allowed is configurable and is independent to the number of feature keys configured. (e.g. The phone has 5 MPE appearances and the extension is configured for 8 simultaneous calls. In this case, if the 5 MPE appearances are busy, the additional calls are queued on the extension.) A Queue Feature Key can be configured on the phone to tell the user the number of calls in queue.	✓	✓

Station Feature	Description	Comdial	Wave
Group Listen	Allows others to hear a conversation over the telephone speaker while you use the handset or headset; the distant party can hear only conversation transmitted through the handset or headset microphone.	✓	-
Group Pickup	Picks up any ringing call within the configured pickup group. The search for a ringing call is determined by the order of the extensions in the group and not by the time the call started to ring.	✓	✓
Hands Free	Answering of external calls when the headset is active. External calls may arrive at the phone via direct routing, call forwarding, or call transfer. Hands-free answering is controlled through a line appearance option and the Headset Feature key.	✓	✓
Headset	Key with status indicator for enabling or disabling the headset.	✓	✓
Hold	Places the current call on Hold. The line is blocked from receiving additional calls in this state.	✓	✓
Hold – Directed	INERCOM + *90 + extension allows a user to put a call on hold at another extension.	✓	-
Hold – Directed Pickup	Picks up a call that was placed on hold at this extension.	✓	-
Hot Desk	This feature provides employees the ability to retain specific telephone numbering, voice mail, calling preferences and other features from any location within the telephone system. Both the physical and virtual extension must have a Hot Desk button in their button map. This button is use to logon and logoff of Hot Desking.	✓	✓
Hold Exclusive	Only the telephone placing the call on hold can retrieve it.	✓	✓
Hunt List Button	Accesses intercom number that is present in the station's hunt list.	✓	-
LCD Messaging	Enables/Disables ability for users to set messages at their stations that display on calling LCD phones.	✓	-
Line Appearance (also includes multiple line appearances and shared line appearances)	The phone must have one primary line appearance of an extension. The phone may have up to 12 or 24 secondary line appearances depending on the number of programmable keys. An extension number may be associated with zero or one primary line appearance and any number of secondary line appearances. On a single phone, each extension number may only be associated with one line appearance.	✓	✓
Listen/Pickup	The listen feature allows you to screen calls by listening to an incoming message and determining if the call needs your immediate attention. If you wish to speak to the person leaving the message, you can cancel the recording and take the call.	✓	✓
Lock Button	Prevents/allows station use (prevents until someone dials an authorization code).	✓	-

Station Feature	Description	Comdial	Wave
Mark Button	Marks a non-functioning line. If the caller picks up the phone to make a call and has a problem with the line, pressing this button will mark the problem for technical support review.	✓	-
Meet-Me Page	Initiate a Meet-Me Page	✓	-
Meet-Me Answer Page	Any station user can dial a code in response to an all-call or zone page and be connected to the paging party in a private conversation. Pressing the Meet-Me page button connects to the paging party.	✓	-
Message (Message Waiting Indicator or MWI)	If you have a Message Waiting key, the red LED flashes when there are new Voice Mail messages. If you do not have a Message Waiting key, and there are new Voice Mail messages, you will hear a stutter tone when you select your primary line key.	✓	✓
Message Waiting (Push MWI)	A special feature access code allows a station user to control the message waiting indicator (MWI) at other stations in the system. When the MWI is turned on at a station, the user can automatically call the station that turned it on. Stations that include an LCD display show the source of the message.	✓	-
Message Waiting – Centrex	On non-SCS telephone, flashes when Centrex message awaits pickup.	✓	-
Music Source Button	Turns on/off background music.	✓	-
Mute	Mute the audio. The mute function, if in an active state, becomes deactivated when the handset is lifted. *This differs from current Comdial functionality.	✓*	✓
Night Answer	Enable or disable night answer mode for the system.	✓	✓
Outside Idle Line Features	When an outside line is idle, the following features are supported on outside line keys: <ul style="list-style-type: none"> • Do Not Disturb • Flash (to restart dialing) • Program/Display (to display call information) • Release • Speaker/Mute 	✓	✓
Page	The Page feature can operate in one of two ways: the Page key gives you access to the public address system and all the digital telephone speakers on your system, or the Page key pages a specific group of digital telephones.	✓	✓
Password Protection toggle	Allows user to turn On or Off password protection when using the Menu options (saving Autodials, etc).	✓	✓
Phone Recognition	Allow the user to move a phone from one location to another retaining the phones configuration.	✓	✓
Privacy	Marks the call as private. Privacy prevents any additional internal extension from breaking into the conversation.	✓	✓
Programmable Feature Keys	Allow the user to change feature key assignments between a limited set of feature keys. (DSS/BLF)	✓	✓
Reconnect	Drop the current call and reconnect to the held party.	✓	✓
Redial	Pressing this key will redial the last call made from the this phone on the selected extension.	✓	✓

Station Feature	Description	Comdial	Wave
Redial Programming (after call)	Automatic Redial dials the last number to have called the station until answered. This includes outside calls via Caller ID.	✓	-
Relay On/Off/Pulse		?	✓
Release	Drop the current call and reconnect to the held party if one exists.	✓	✓
Reminder Alert	Set up to two reminder alerts to sound so that you will remember important regular events.	✓	-
Remote Station Disable	To disable another station / to enable another stations.	✓	-
Restrict Button	Prior to placing a call, pressing this button will keep Caller ID from being broadcast.	✓	✓
Saved Number Redial	The user can immediately save the number dialed or connected to on a Save/Repeat key. Pressing the key while idle will cause the number to be dialed. Pressing the key while Editing an Autodial will allow the number to be saved as an autodial.	✓	✓
Serial Call Button	Transfers a serial call to specified stations.	✓	-
Shift	Shifts the 12 or 24 programmable keys into auto dial keys. When the shift key is pressed, the phone will enter into the shift mode allowing the user to use the programmable keys as auto dial keys. If NP keys are pressed, the phone will automatically exit the shift mode after 5 seconds.	✓	✓
Silent Monitor	Allows the user to silently monitor another conversation. The destination extension must be configured to allow them to be silently monitored. To monitor an internal call, the party connected to the destination extension must also be configured to allow silent monitoring. Calls to voicemail may not be silently monitored.	✓	✓
Silent Ringer Button	Mutes ringing for current call.	✓	-
SOHVA	Subdued Offhook Voice Announce. When calling a busy station, SOHVA allows the caller to make a private announcement to the called station. The called station then replies to the caller verbally or using a message displayed on the caller phone. The SOHVA feature is configured for the primary line appearance of each phone. You can also block an incoming SOHVA call with the interactive buttons or by previously programming your speakerphone for Voice Announce Block.	✓	-
Speaker Phone	Pressing the speaker key allows the user to use the phone in hands-free mode.	✓	✓
Split	Allows station user to talk to two different parties.	✓	-

Station Feature	Description	Comdial	Wave
Station Lock	Prevents/allows station use.	✓	-
System Speed Dial	System Speed Dial allows you to dial frequently used telephone numbers by entering speed dial index numbers. System Speed Dial can also give you dialing privileges for specific telephone numbers that you might not normally have on your telephone. Depending on your telephone set-up, System Speed Dial may work in one of two ways: regular System Speed Dial or System Speed Dial with Dialing Preview.	✓	✓
System Status Button	Indicates system status report.	✓	-
Tap	Allows the user to place the connected call on softhold and get dialtone. Once dialtone is received, the user may make a call or access a feature. Additional features: While dialing, pressing this key once will erase the last dialed digit and pressing twice (within 500 ms) will clear the dialed digits. If no Call-Waiting Key is configured, this key can be used to answer a call-waiting call.	✓	✓
Test Line Busy	View status of busy line.	✓	-
Toggle	Place the current call on hold and reconnect to the held call.	✓	✓
Transfer (Blind, Consultative)	Used to control the transfer feature. Pressing the Transfer key puts the current call on hold and allows a second call to be established. Pressing the Transfer key a second time will transfer the call to the held party.	✓	✓
Transfer to Voice Mail	Transfer to Voice Mail allows you to transfer a party directly to a Voice Mailbox, without ringing the destination telephone.	✓	✓
Voice Call / VoiceFirst	Enables user to select how internal calls are received on the primary line appearance. When activated, internal calls to the primary line appearance will cause the system to give the user zip-tone prior to connecting the caller to the user. If the user is using the phone, the incoming call will proceed as a normal call; e.g. muted ring for calls on other line appearance, call waiting tone for a call on the same line appearance.	✓	✓
VoiceCall/ VoiceFirst – Destination Controlled	Ability for the destination to enable incoming internal calls to become voice first calls or prevent voicecalls to the destination. If voice first is enabled, the calling party will be presented with a way to redirect the call to voicemail.	✓	✓
VoiceCall / VoiceFirst Mute	You can set your phone to be either muted or unmuted when a voice-first call is received.	✓	✓
VoiceMail displayed on LCD for menu (VoiceMail Visual Features)	When idle, the LCD displays the number of new calls in voicemail. When using voicemail, the softkeys are mapped to keypad functions. E.g. A softkey is labeled “DELETE”. Pressing this softkey is the same as pressing the keypad “7”.	✓	✓

Station Feature	Description	Comdial	Wave
Volume Reset Override	When the user hangs up, the phone will reset the volume on the handset and headset to a safe level. This feature allows the user to override the handset and headset volume reset. When the user goes offhook, the handset and headset levels will be at their previous setting.	✓	✓
Volume Save Button	Saves volume settings.	✓	-
Zone Page	Enables a page to only those extensions within the particular zone page group. Zones are number 01-32. A page to zone 00 is the same as a system page.	✓	✓