PIVOT™
by spectralink

spectralink
The WorkSmart Company

Product Specifications

PIVOT™ (Spectralink 87-Series) expands the Spectralink 8000 Portfolio of Voice over Wi-Fi handsets to deliver enterprise-grade, on-site voice mobility with a user-friendly interface presented on an extensible application platform. The PIVOT family of products consists of two form factors and three models; PIVOT:S (8742) with a streamlined design and slim profile, PIVOT 8741 with its patented kickstand spine design, and PIVOT 8753 with an integrated, high-performance barcode scanner.

Based on the industry standard Android™ operating system, it is a WorkSmart solution—differentiated by its intuitive touch-screen design, HD voice quality, seamless Voice over Wi-Fi roaming without dropouts, durability, broad telephony and WLAN interoperability, and predictable return on investment.

To achieve superior voice quality in unique enterprise environments, PIVOT is built with Spectralink Voice Quality Optimization, VQO, an engineered system that delivers crystal-clear communications over in-building, enterprise Wi-Fi networks. The system is built of technology on the inside of every Spectralink device—and the knowledge and expertise of our partners and specialized System Architects, on the outside.

PIVOT further enhances the customer value proposition with Google™ Mobile Services Applications, two enhanced standards-based application interfaces, an optional, high-performance integrated barcode scanner and an industrial-grade accelerometer. In partnership with the Spectralink applications development ecosystem, PIVOT enables new opportunities for end-user productivity solutions.



PIVOT:S (8742)



PIVOT (8741/8753)



GENERAL FEATURES

OVERVIEW

- Three PIVOT models to choose from:
  – PIVOT (8741 or 8753)
  – PIVOT:S (8742)
- Spectralink's high performance audio and voice over WLAN implementation known as Spectralink Voice Quality Optimization (VQO)
- Enterprise SIP and WLAN features
- Home page, user interface, settings utility and applications are based on the Android platform.
- Google™ Mobile Services (GMS) including Google Play™ and other standard Google applications
- Highly customizable platform via optional feature licenses
- Large, optically bonded, damage-resistant glass touchscreen
- Multi-touch pan, zoom, swipe-gesture navigation
- Battery life and user replaceable battery supports shiftwork model
- Dedicated hard buttons for emergency dial (red button), scanning and Push-to-Talk (PTT)
- Chemical resistance to commonly used cleaning solutions
- Secure Over-the-Air (OTA) provisioning and management

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GENERAL FEATURES

PROCESSOR AND MEMORY

- ARM Cortex-A9 dual core, 1 GHz processor
- 1 GB DRAM, 8 GB flash

OPERATING SYSTEM

- Android™ 4.4.2, KitKat®
- Protected from jail-breaking and rooting

DISPLAY AND TOUCHSCREEN

- 4.3 in. (109 mm) TFT, 800 x 480 pixels
- 16 million color palette
- Multi-touch capacitive touch screen display
- Accelerometer-based automatic screen orientation
- Manual or automatic adjustable display brightness
- Backlit display with adjustable time out
- Selectable wallpaper/background

DEDICATED PHYSICAL BUTTONS

- Push-to-Talk
- Power
- Volume control
- Barcode reader scan activation (PIVOT 8753 handset only)
- Panic/Duress

PERIPHERAL INTERFACES

- Micro USB interface for wall charging and configuration
- 3.5 mm four-conductor stereo headset connector
- Bluetooth interface to Mobile Point of Sale (mPOS) terminals

BATTERY

- Easy-access battery pack
  – 2350 mAh (8741, 8753)
  – 2200 mAh (8742)
- Up to eight hours talk time
- Up to 90 hours standby time

Talk and standby time may vary based on scanner, applications usage, screen brightness settings, etc.

PHYSICAL CHARACTERISTICS

DURABILITY

- Drop/shock: MIL STD 810G, method 516.6 procedure IV
- Ingress protection standard: IP-64 per IEC 60529
- Damage-resistant Dragontrail™ glass

ENVIRONMENTAL

- Operational temperature: 32 - 104° F (0 - 40° C)
- Storage temperature: -22 - 140° F (-30 - 60° C)

DIMENSIONS & WEIGHT*

	PIVOT 8741	PIVOT 8753	PIVOT:S 8742
Dimensions	5.7 x 3 x 1.1 in. (144.6 x 77.2 x 27.3 mm)	5.7 x 3 x 1.1 in. (144.6 x 77.2 x 27.3 mm)	5.7 x 3 x .75 in. (144.6 x 77.2 x 19 mm)
Weight	8.5 oz (240 gr.)	8.8 oz (250 gr.)	8.5 oz (240 gr.)

*As measured with battery installed.

WIRELESS NETWORKING: WI-FI

BAND	FREQUENCY	DATA RATES
802.11a	5.15 - 5.25 GHz 5.25 - 5.35 GHz 5.47 - 5.725 GHz 5.725 - 5.825 GHz	6, 9, 12, 18, 24, 36, 48, 54 Mbps
802.11b	2.4 - 2.4835 GHz	1, 2, 5.5, 11 Mbps
802.11g	2.4 - 2.4835 GHz	6, 9, 12, 18, 24, 36, 48, 54 Mbps
802.11n	2.4 and 5 GHz	21.7, 43.3, 65, 72.2 Mbps

2.4GHz and 5GHz dynamic band roaming supported

802.11n single-stream, 20MHz channel with SGI

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TELEPHONY FEATURES

USABILITY

- Intuitive, instantly-familiar user interface
- Choice of two patent-pending ergonomic grip and profile options
- Backlit display with automatic brightness control and proximity sensor
- Multilingual user interface (English, French, Spanish, German, Italian)
- Speech-to-text for all supported languages

SPECTRALINK SAFE PERSONAL SAFETY

- Duress/panic button
- Motion detectors: Man down, running and no movement
- Alarm notifications

SIP CALL HANDLING FEATURES

- Call hold/resume
- Music on hold (server-provided)
- Consultation hold
- Call transfer (attended/unattended)
- Three-way conferencing (local)
- Call screening (incoming/outgoing)
- Call park/retrieve
- Call waiting
- Multiple calls per line
- Message Waiting Indicator (MWI)
- Do not disturb (silence or vibrate modes)
- Calling party ID (name and number)
- Connected party ID (name and number)
- Call forward
- Call reject
- Audible and vibrate notification options
- Speed dial
- Contact directory with support for 1000s of local entries
- Call logs with up to 1000 entries for incoming, outgoing and missed calls

Summary only – actual feature support will vary among call platforms

CODECS

- G.711 (A-law and μ-law), G.729, G.722

PUSH-TO-TALK

- On-board native ‘walkie-talkie’ capability
- One-to-one, one-to-many broadcast communication
- 24 configurable channels
- Priority, default channel

ADDITIONAL TELEPHONY FEATURES

- Predictive dialing from contacts list
- Recent call lists
- Call Server Failover

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MANAGEMENT

CONFIGURATION AND PROVISIONING

- Initial provisioning via USB
- Administrator login and privileges
- Remote Over-the-Air (OTA) configuration management of administrative settings
- Remote Over-the-Air (OTA) system upgrade, under administrative control
- Third-party MDM interoperable, for administrative settings
- Spectralink Configuration Management System (CMS)
  – custom server-based centralized provisioning and configuration tool for high-speed mass deployment
- Spectralink Installation and Configuration Tool (SLIC) compatible

PERFORMANCE AND FAULT MANAGEMENT

- On-board diagnostics tools
- Syslog reporting
- Roaming and hand-off reporting
- Event logging
- Status reporting

PERFORMANCE

QUALITY OF SERVICE (QOS)

- Wi-Fi Multimedia (WMM)
- WMM-Power Save
- WMM-Admission Control
- DSCP tagging

SECURITY

- WEP, WPA-Personal, WPA2-Personal, WPA2-Enterprise with 802.1X (EAP-FAST, EAP-TLS, PEAP-MSCHAPv2) with Opportunistic Key Caching (OKC) and Cisco Client Key Management (CCKM)
- HTTPS secure configuration and monitoring
- Signed software executables

APPLICATION TOOLS

APPLICATION DEVELOPMENT

- Standards-based web API
- On-board, enhanced browser (JavaScript, CSS, DOM) for rich application integration
- Access to a broad universe of Android applications
- Google™ Mobile Services (e.g., Google Chrome™ browser, Google Play™ store, Google™ search, Calendar Sync, Contacts Sync, Android WebView etc.)

EXCHANGE SERVER INTEGRATION

- Calendar
- Contacts
- E-mail

NETWORKING

NETWORKING STANDARDS

- Manual or Dynamic Host Configuration Protocol (DHCP)
- Domain Name Service (DNS)
- Simple Network Time Protocol (SNTP)
- Lightweight Directory Access Protocol (LDAP)
- XML and XHTML

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DATA CAPTURE SPECIFICATIONS

HIGH-PERFORMANCE BARCODE SCANNING

FEATURE	PIVOT 8753
Type	1D/2D Area Imager
Scan Time	1/10 second (typical)
Light Source	617 nm Highly Visible LED
Scan Angle	38.9° Horiz., 25.4° Vert.
Label print contrast	Down to 30%
Resolution	Optical Resolution 752 x 480 pixels
Reading distance	Up to 34 in. (864 mm)

BARCODE SYMBOLOGIES

- 1D: Codabar, Code 11, Code 39, Code 93, Code 128, GS1-128, UPC-A, UPC-E, EAN-8, EAN-13, GS DataBar (RSS) Omni-directional, GS1 DataBar (RSS) Limited, GS1 DataBar (RSS) Expanded, Interleaved 2 of 5, Matrix 2 of 5, MSI Code, Plessey Code, Standard 2 of 5, Telepen
- 2D: Aztec, Datamatrix, Micro PDF 417, PDF 417, QR codes

ACCESSORIES

USB WALL CHARGER

COMBO QUAD CHARGER & COMBO QUAD MULTI-CHARGER

- Charges spare battery packs simultaneously – Charges any combination of 8741/8742/8753 battery packs
- Ideal for shift-work environments and highly-mobile users
- Designed for tabletop or wall-mounting



CARRYING OPTIONS *(8741 & 8753 ONLY)**

- Belt clip
- Shoulder lanyard with multiple position attachment
- Protective silicone cover

**PIVOT 8742 Carrying options are available through our partner Nite Ize.*



Learn More

Learn what Spectralink wireless telephones can do for your organization.
Visit us at spectralink.com or contact your Spectralink representative.

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