

NEC Release Notes

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SpectraLink Model 8400 Series WLAN Handsets For Selected NEC UNIVERGE SV Platforms

<i>Date</i>	<i>V er.</i>	<i>Notes</i>	<i>Author</i>
9-14-11	1	Original Notification	TG
9-14-11	2	Improved description of maintenance options and in section	TG
9-31-11	3	Multiple grammatical errors not found in spell check	TG
11-9-11	4	Updated SprecraLink SKU for maintenance numbers	TG
12-15-11	5	Updated to include SV8300	TG
3-27-12	6	Added basic instructions to program handset and rearranged PBX features	EA
9-27-12	7	Deleted all programming information for the SpectraLink 84xx product. Any programming information for the 84xx as it relates to the NEC switches should be referenced in the 84xx to NEC switch setup guides	EA
1-31-13	8	Added information relevant to the support of the SV8100 Added information about the 8452 product	EA

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SpectraLink 8400 Series WLAN Handsets

The following release note provides new feature, enhancement, bug fixes and known limitations for the SpectraLink 8400 series handsets, models 8440, 8450 and 8452 handsets, when configured on different UNIVERGE Platforms (3C, SV8100, SV8300, and SV8500).

SpectraLink 8400 Series Handset and Options description

8400 Series Handsets and Options

The following information provides pricing the SpectraLink Series 8400 WLAN handset. The 8440, 8450 (barcode: 1D support) and 8452 (barcode: 2D support) can support up to 4 lines each. The 4 lines are independent of each other and don't constitute the device as supporting multiline function like other wireless devices or the wired terminal. Each active line will require a 3rd party SIP license.

SpectraLink 8400 Wireless Telephones improve productivity and responsiveness for on-site mobile professionals across a wide range of industries, including healthcare, retail, manufacturing and hospitality. Built on open standards, the SpectraLink 8400 series transforms the delivery of mobile enterprise applications by bringing the power of thin client and browser technology to front-line professionals in an easy-to-use and easy-to-manage interface. Additionally, the SpectraLink 8400 series supports the industry's broadest range of interfaces to enterprise-grade PBX, wireless LAN, and infrastructures to deliver maximum interoperability with the lowest overall cost of ownership in the industry.



8440 Black and Blue 84xx in docking station

8450/8452 Black and Blue

- Transform workflows with application, voice, and data integration
- Maximize staff efficiency by leveraging Web-based applications through the industry's only enterprise VoWLAN device with integrated WebKit-based Web browser, bar code imager and [XML-based API](#).
- Streamline workflows by seamlessly connecting with on-premises peripherals via the exclusive SpectraLink Quick Barcode Connector™ (QBC) interface
- Minimize data input errors with an integrated barcode imager (SpectraLink 8450/8452 models only)
- Rapidly communicate among groups with integrated Push-to-Talk
- Operate in loud environments with advanced noise suppression technology
- Install a future-proof solution that leverages the 802.11n standard
- Consolidate disparate paging, telephone, scanning, two-way radios, intercom, conferencing, and location tags into a single device

Order Acceptance and Delivery

Equipment is available to order immediately through MasterQuote (MQ). Pricing information will be published NEC Cordless & In-Building Wireless Price Book (#PBK3000-12-001).

With 3rd party partner products, it is important to realize that lead times are different than for NEC branded products. For SpectraLink specifically, any bundles/offers that include SpectraLink-branded products have up to a 30 days lead time delivery from ARO (After Receipt of Order). While many actual product shipments can occur within 10-15 days, it is important to acknowledge the 30 days lead times for SpectraLink products (specifically) to set the proper customers/end-users expectations.

Cross Reference Part Number Matrix

Below is a reference matrix of the hardware parts that are included in the SpectraLink Series 8400 handset product line.

The models 8440, 8450 and 8452 come in either black or blue and also have been packaged in bundles to cost effective pricing.

- Each Charger bundle includes a handset, 1 battery and USB charger
- Each Dual Charger bundle includes a handset, 2 battery and Dual charger and AC power supply
- Each Quad Charger bundle includes 4 handsets, 4 batteries and QUAD charger with AC adapter.
- In addition, there are options for just the SpectraLink 8400 handset only (no battery is included)

Reference Table: WLAN Handsets and		
Part #	SpectraLink Part #	Description
402475	2200-37025-001	8440 Charger Bundle - Blue
402476	2200-37026-001	8440 Charger Bundle - Black
402414	2200-37235-001	8440 Dual Charger Bundle - Blue
402415	2200-37237-001	8440 Dual Charger Bundle - Black
402416	2200-37050-001	8440 Quad Charger Bundle - Blue
402417	2200-37051-001	8440 Quad Charger Bundle - Black
402477	2200-37027-001	8450 Charger Bundle - Blue
402478	2200-37028-001	8450 Charger Bundle - Black
402418	2200-37236-001	8450 Dual Charger Bundle - Blue
402419	2200-37238-001	8450 Dual Charger Bundle - Black
402420	2200-37052-001	8450 Quad Charger Bundle - Blue
402421	2200-37053-001	8450 Quad Charger Bundle - Black
402479	2200-37192-001	8452 Charger Bundle - Blue
402480	2200-37193-001	8452 Charger Bundle - Black
402481	2200-37196-001	8452 Dual Charger Bundle - Blue
402482	2200-37197-001	8452 Dual Charger Bundle - Black
402483	2200-37194-001	8452 Quad Charger Bundle - Blue
402484	2200-37195-001	8452 Quad Charger Bundle - Black
402403	2200-37149-001	SpectraLink 8440 - Blue
402404	2200-37149-001	SpectraLink 8440 - Black
402405	2200-37152-001	SpectraLink 8450 - Blue
402406	2200-37152-001	SpectraLink 8450 - Black
402485	2200-37172-001	Spectralink 8452 - Blue
402486	2200-37173-001	Spectralink 8452 - Black

Below are accessories and spares to compliment the SpectraLink 8400 handsets

<i>SpectraLink Reference Table: SpectraLink 8400 Series WLAN Handset Accessories</i>		
Part #	SpectraLink Part #	Description
402407	1310-37222-001	Dual Charger
402408	1310-37224-001	Quad Charger
402409	2200-30720-001	8410 Speakerphone Dock
402410	1520-37214-001	Standard Battery
402411	1520-37215-001	Extended Battery
402412	2200-37278-020	Dual charger Power Supply (NA)
402413	2200-37277-001	Universal Power Supply (Quad Charger & 8410 Dock)

<i>SpectraLink Reference Table: SpectraLink 8440 and 8450 handset cases</i>		
Part #	SpectraLink Part #	Description
402444	2310-37160-001	8440 Black Vinyl Cass w/ Ratchet Belt Clip
402445	2310-37170-001	8440 Clear Silicone Case wo Clip
402446	2310-37170-002	8440 Blue Silicone Case wo Clip
402447	2310-37180-001	8440 Clear Silicon Case w Belt Clip Assembly
402448	2310-37180-002	8440 Blue Silicon Case w Belt Clip Assembly
402449	2310-37246-001	8440 Black Vinyl Case w Integral Belt Clip
402450	2310-37165-001	8450 Black Vinyl Cass w/ Ratchet Belt Clip
402451	2310-37175-001	8450 Clear Silicone Case wo Clip
402452	2310-37175-002	8450 Blue Silicone Case wo Clip
402453	2310-37185-001	8450 Clear Silicon Case w Belt Clip Assembly
402454	2310-37185-002	8450 Blue Silicon Case w Belt Clip Assembly
402455	2310-37245-001	8450 Black Vinyl Case w Integral Belt Clip
402456	WTO470	Clip and clip assembly for silicone cases

Warranty and Maintenance Options

When purchasing any handset, whether it is in a bundle or not, warranty for one year is automatically provided. NEC also allows the following enhanced maintenance options;

The standard warranty is outlined in the [SpectraLink Warranty Guide](#) on the SpectraLink website. Additionally NEC is pleased to offer Advanced and Advanced Plus maintenance contracts. The contracts can be purchased for one year or three year terms.

Advanced Plus

Provides next business day onsite service for infrastructure components only and advanced replacement of wireless telephones, Includes software updates as available, remote testing and unlimited telephone technical support and 24x 7 unlimited technical phone support.

Advanced

Includes advance replacement of infrastructure components and wireless telephones, software updates as available and 24x7 Unlimited Technical phone support.

Priority

Provides advanced replacement of infrastructure components, 1-business-day turnaround on wireless telephones, software updates as available, and 24x7 unlimited technical phone support.

Assured

Provides advanced replacement of infrastructure components, 3-business –day factory turnaround on wireless telephones, software updates as available, and technical phone support during business hours.

Optional service: Liquid damage coverage maintenance and warranty is available on all 84xx wireless telephones. Price is per handset and all wireless telephones must be covered. Coverage must be purchased with a new system or with a support maintenance contract.

<i>Wireless Support services options at a Glance</i>				
	<i>Levels</i>			
	<i>Advanced Plus</i>	<i>Advanced</i>	<i>Priority</i>	<i>Assured</i>
24x 7 Unlimited Phone Technical Support- Infrastructure products	√	√	√	NA
Normal Business Hours phone technical support – Infrastructure Products	√	√	√	√
Normal Business hours Unlimited Phone Technical Support- Wireless Telephones	√	√	√	√
ON-site Infrastructure Products Technical Support- Next business day	√	NA	NA	NA
Advanced Replacement Infrastructure Product Parts	√	√	√	√
Advanced Replacement wireless Telephone & Charger Parts	√	√	NA	NA
One business-day replacement Wireless	NA	NA	√	NA

Telephone & Charger				
Three business-day replacement Wireless Telephone & Charger	NA	NA	NA	√
Escalation Support	√	√	√	√
Software Updates*	√	√	√	√

Notes

- Available upon general release
- Wireless telephone and charger parts replacement turnaround time starts from time of receipt of the unit by Supplier, RMA request for advance replacements received after 4pm (Mountain Time) will be “best effort” for same-day shipment: otherwise, the replacement will be shipped the next business day.
- No additional Battery coverage extended beyond standard warranty, which is 1 year from purchase date.
- No additional accessory (cables, docking station, etc) coverage extended beyond standard warranty, which is 90 days from purchase.
- ***NEC WiFi devices are not covered under NEC SOFTWARE ASSURANCE.***

More information as well as pricing is provide in the Price Book for the SpectraLink 8400 Series Handsets

Below are Maintenance offering for SpectraLink 8400 handsets

<i>Spectralink Reference Table: Maintenance Options</i>		
Part #	SpectraLink Part #	Description
402403491	4870-00981-740	OEAP PLC1 8440 BLUE ADVP
402403391	4870-00981-745	OEAP PLC1 8440 BLUE ADVPL
402403291	4870-00981-730	OEAV PLC1 8440 BLUE ADV
402403191	4870-00981-735	OAVL PLC1 8440 BLUE ADVL
402403493	4870-00981-840	OEAP PLC3 8440 BLUE ADVP
402403393	4870-00981-845	OEAP PLC3 8440 BLUE ADVPL
402403293	4870-00981-830	OEAV PLC3 8440 BLUE ADV
402403193	4870-00981-835	OAVL PLC3 8440 BLUE ADV
402404491	4870-00981-740	OEAP PLC1 8440 BLK ADVP
402404391	4870-00981-745	OEAP PLC1 8440 BLK ADVPL
402404291	4870-00981-730	OEAV PLC1 8440 BLK ADV
402404191	4870-00981-735	OAVL PLC1 8440 BLK ADVL
402404493	4870-00981-840	OEAP PLC1 8440 BLK ADVP
402403493	4870-00981-845	OEAP PLC1 8440 BLK ADVPL
402404293	4870-00981-830	OEAV PLC1 8440 BLK ADV
402404193	4870-00981-835	OAVL PLC1 8440 BLK ADVL
402405491	4870-00982-740	OEAP PLC1 8450 BLUE ADVP
402405391	4870-00982-745	OEAP PLC1 8450 BLUE ADVPL
402405291	4870-00982-730	OEAV PLC1 8450 BLUE ADV
402405191	4870-00982-735	OAVL PLC1 8450 BLUE ADVL
402405493	4870-00982-840	OEAP PLC3 8450 BLUE ADVP
402405393	4870-00982-845	OEAP PLC3 8450 BLUE ADVPL
402405293	4870-00982-830	OEAV PLC3 8450 BLUE ADV
402405193	4870-00982-835	OAVL PLC3 8450 BLUE ADVL
402406491	4870-00982-740	OEAP PLC1 8450 BLK ADV P
402406391	4870-00982-745	OEAP PLC1 8450 BLK ADVPL

402406291	4870-00982-730	OEAV PLC1 8450 BLK ADV
402406191	4870-00982-735	OAVL PLC1 8450 BLK ADV
402406493	4870-00982-840	OEAP PLC3 8450 BLK ADVP
402406393	4870-00982-845	OEAP PLC3 8450 BLK ADVPL
402406293	4870-00982-830	OEAV PLC3 8450 BLK ADV
402406193	4870-00982-835	OAVL PLC3 8450 BLK ADVL
402485191	4870-00982-735	OAVL PLC1 8452 Blue Advl
402485193	4870-00982-835	OAVL PLC3 8452 Blue Advl
402485291	4870-00982-730	OEAV PLC1 8452 Blue Adv
402485293	4870-00982-830	OEAV PLC3 8452 BLUE Adv
402485391	4870-00982-745	OEAP PLC1 8452 Blue ADVPL
402405393	4870-00982-845	OEAP PLC3 8452 Blue ADVPL
402405491	4870-00982-740	OEAP PLC1 8452 Blue ADVPL
402405493	4870-00982-840	OEAP PLC3 8452 Blue ADVPL
402486191	4870-00982-735	OAVL PLC1 8452 Black Advl
402486193	4870-00982-835	OAVL PLC3 8452 Black Advl
402486291	4870-00982-730	OEAV PLC1 8452 Black Adv
402486293	4870-00982-830	OEAV PLC3 8452 Black Adv
402486391	4870-00982-745	OEAP PLC1 8452 BLK ADVPL
402486393	4870-00982-845	OEAP PLC3 8452 BLK ADVPL
402486491	4870-00982-740	OEAP PLC1 8452 BLK ADVPL
402486493	4870-00982-840	OEAP PLC3 8452 BLK ADVPL

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WLAN Requirements – Select a Compatible Access Point

The first criteria in deploying a successful VoIP WLAN is determining which AP your customer is using and if they are supported under the [Spectralink VIEW program](#)

In addition you should use [SpectraLink wireless](#) best practices to ensure proper wireless implementation.

NOTE: The SpectraLink 8400 series handsets do not use a WLAN Voice Gateway. If you already have MH110, MH120 and/or MH140 implemented in the network then another radio spectrum must be used. For example have all MH110/MH120 and MH140 on the 802.11bg radio and the new SpectraLink 8400 series on the 802.11a radio

NEC Minimal Recommended Service Requirements

The following are the minimum recommended service requirements for allowing SpectraLink 8400 series handsets integration.

<i>8400 Series Handsets</i>	<i>SV8500</i>	<i>SV8300</i>	<i>SV8100</i>	<i>3C</i>	<i>Notes</i>
8440	S1 or later	Rel 3	Rel 8	Rel 6	3 rd Party SIP Licenses required for each line used in the 8400 series handsets. Limitations noted in document
8450	S1 or later	Rel 3	Rel 8	Rel 6	3 rd Party SIP Licenses required for each line used in the 8400 series handsets. Limitations noted in document
8452	S1 or later	Rel 3	Rel 8	Rel 6	3 rd Party SIP Licenses required for each line used in the 8400 series handsets. Limitations noted in document

Features and Benefits

SpectraLink 8400 Wireless Telephones improve productivity and responsiveness for on-site mobile professionals across a wide range of industries, including healthcare, retail, manufacturing and hospitality. Built on open standards, the 8400 series handsets transform the delivery of mobile enterprise applications by bringing the power of thin client and browser technology to front-line professionals in an easy-to-use and easy-to-manage interface.

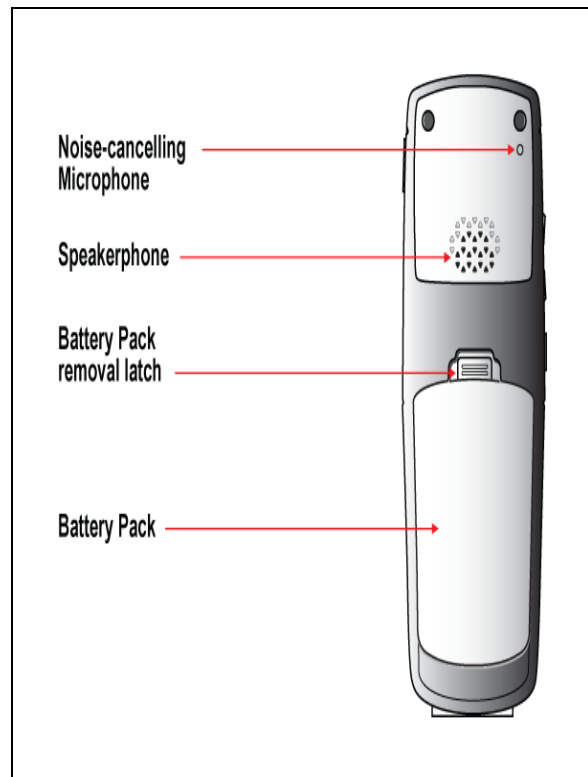
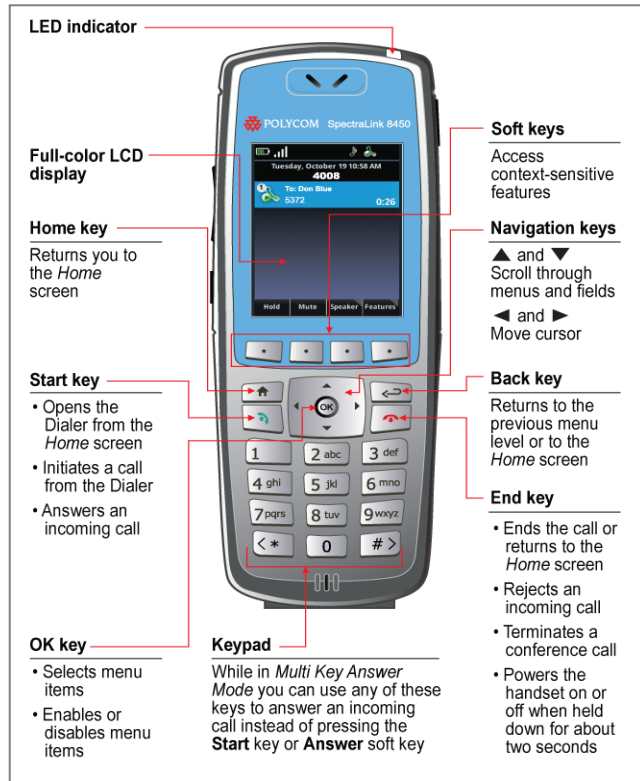
Transform workflows with application, voice, and data integration

- Maximize staff efficiency by leveraging Web-based applications through the industry's only enterprise VoWLAN device with integrated WebKit-based web browser, bar code imager and [XML-based API](#).
- Streamline workflows by seamlessly connecting with on-premises peripherals via the exclusive SpectraLink Quick Barcode Connector™ (QBC) interface
- Instantly communicate using the Microsoft® Office Communications Server IM client on a dedicated VoWLAN device

Supports the exacting needs of on-site mobile professionals

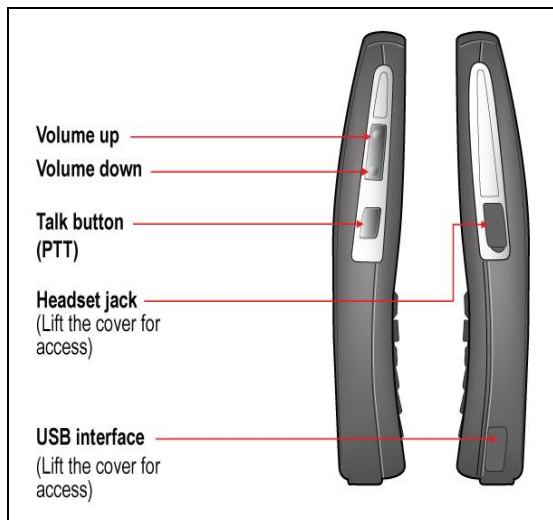
- Minimize data input errors with an integrated barcode imager (8450 model only)
- Rapidly communicate among groups with integrated Push-to-Talk
- Maximize handset life-span with industrial-grade over-molding and a rugged design
- Simplify user training with large display, simple user interface and dedicated soft-keys
- Operate in loud environments with advanced noise suppression technology

Pictures of 84xx to functions

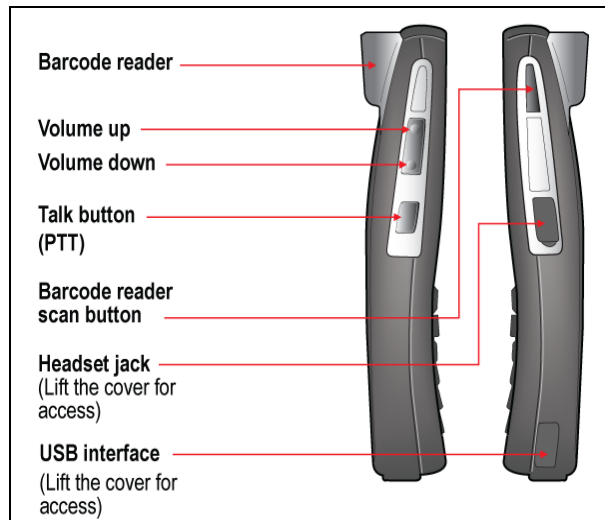


Front View of 84xx

Back View of 8440



Left view of 8440



Left view of 8450 & 8452

Handset Feature Comparison (Independent of Voice server functions)			
Description	8440 Handset	8450 Handset	8452 Handset
	The SpectraLink 8440 Handset offers everything the MH150 and MH160 Mobile Handsets do, but also offers a full color display, web-browsing capabilities and text/instant messaging support. This handset is designed for users across a wide-range of industries.	Along with everything that the 8440 Handset offers, the 8450 has a built in linear or one dimensional (1D) barcode reader that enables workers to quickly associate their 8450 Handset with a PC for application integration and automated data capture; eliminating time consuming and error-prone manual entry processes.	The 8452 Handset has all the features and capabilities of the 8450, except that it offers a two dimensional (2D) barcode reader. It is able to read barcodes that use geometrical patterns as well. Again, this capability enables workers to quickly and automatically capture data using their 8452 Handset.
Category			
Physical Specifications			
Size	147mm by 53mm by 25mm	147mm by 53mm by 28mm	147mm by 53mm by 28mm
Weight	5.6 oz with battery	6.2 oz with battery	6.2 oz with battery
Display Size	2.2-inch 240x320 resolution	2.2-inch 240x320 resolution	2.2-inch 240x320 resolution
Display Type	Intuitive graphical user interface. 65,000 color palette.	Intuitive graphical user interface. 65,000 color palette.	Intuitive graphical user interface. 65,000 color palette.
Handset Features			
Talk/Standby	8hr talk/80 standby; 12hr talk/120 standby or 8hrs talk/160 hours standby	8hr talk/80 standby; 12hr talk/120 standby or 8hrs talk/160 hours standby	8hr talk/80 standby; 12hr talk/120 standby or 8hrs talk/160 hours standby
Firmware Upgrade	Configuration management - user and admin logon and privileges. PC connected (USB) and remote over the air configuration management	Configuration management - user and admin logon and privileges. PC connected (USB) and remote over the air configuration management	Configuration management - user and admin logon and privileges. PC connected (USB) and remote over the air configuration management

Handset Feature Comparison (Independent of Voice server functions)			
Description	8440 Handset	8450 Handset	8452 Handset
Number of Softkeys	Four - pre-defined based on status of call.	Four - pre-defined based on status of call.	Four - pre-defined based on status of call.
Pause	Yes	Yes	Yes
Headset Ring	Yes	Yes	Yes
Key Click	Yes	Yes	Yes
Backlit Keypad	Yes	Yes	Yes
LED Flash	Yes	Yes	Yes
Trunk Ring	Yes	Yes	Yes
Station Ring	Yes	Yes	Yes
Service Alarm	Yes	Yes	Yes
Confirmation Tone	No	No	No
Answer Tone	Yes	Yes	Yes
Call Logs	20 logged calls for each type (inc, dialed and missed)	20 logged calls for each type (inc, dialed and missed)	20 logged calls for each type (inc, dialed and missed)
Emergency system-wide speed dial	Emergency system-wide speed dial NOTE either PTT or speed dial button	Emergency system-wide speed dial NOTE either PTT or speed dial button	Emergency system-wide speed dial NOTE either PTT or speed dial button
Auto Answer	Auto-answer & any key answer capability	Auto-answer & any key answer capability	Auto-answer & any key answer capability
Speed Dial	Yes - speed dial menu list	Yes - speed dial menu list	Yes - speed dial menu list
Short Text Message	Yes - browser based. SDK available/. Backward compatible with SpectraLink OAI server. Nurse call System app. (NCS) or text messages can be received during any call state, except when switched off or out of range.	Yes - browser based. SDK available/. Backward compatible with SpectraLink OAI server. Nurse call System app. (NCS) or text messages can be received during any call state, except when switched off or out of range.	Yes - browser based. SDK available/. Backward compatible with SpectraLink OAI server. Nurse call System app. (NCS) or text messages can be received during any call state, except when switched off or out of range.
Instant Messaging	Yes	Yes	Yes

Handset Feature Comparison (Independent of Voice server functions)			
Description	8440 Handset	8450 Handset	8452 Handset
Push-to-Talk	On-board native "walkie talkie" capabilities. One to one or one and/or one to many broadcast communications. 24 configurable channels, priority, default channel	On-board native "walkie talkie" capabilities. One to one or one and/or one to many broadcast communications. 24 configurable channels, priority, default channel	On-board native "walkie talkie" capabilities. One to one or one and/or one to many broadcast communications. 24 configurable channels, priority, default channel
VM/IM Indicator	Yes	Yes	Yes
Keyboard Lock	Yes	Yes	Yes
Earphone	Yes	Yes	Yes
Headset Option	Yes	Yes	Yes
Bluetooth	Yes, Version 2.1, HSP ver. 1.2, Class 1 support with range of ~ 10 meter. Not recommended for 2.4Hz spectrum (802.11bg)	Yes, Version 2.1, HSP ver. 1.2, Class 1 support with range of ~ 10 meter. Not recommended for 2.4Hz spectrum (802.11bg)	Yes, Version 2.1, HSP ver. 1.2, Class 1 support with range of ~ 10 meter. Not recommended for 2.4Hz spectrum (802.11bg)
Ringer/Vibrate	Multiple vibrate cadence options	Multiple vibrate cadence options	Multiple vibrate cadence options
Custom Banner	Yes	Yes	Yes
Directory	Yes, contacts directory with support up to 100 entries	Yes, contacts directory with support up to 100 entries	Yes, contacts directory with support up to 100 entries
Default set	No	No	No
Reset all	No	No	No
Spare Battery charger	Dual Charger: Charges handset battery or a second battery via battery slot. Charging of the handset battery takes precedence if both slots are occupied.	Dual Charger: Charges handset battery or a second battery via battery slot. Charging of the handset battery takes precedence if both slots are occupied.	Dual Charger: Charges handset battery or a second battery via battery slot. Charging of the handset battery takes precedence if both slots are occupied.

Handset Feature Comparison (Independent of Voice server functions)			
Description	8440 Handset	8450 Handset	8452 Handset
Multiple charging unit	Quad Charger: Charges four batteries simultaneously via battery slots. AC input: 110-230 V, 50/60 Hz DC output: 12 V/500mA (Single and Dual Chargers); 12 V/2 A (Quad Charger)	Quad Charger: Charges four batteries simultaneously via battery slots. AC input: 110-230 V, 50/60 Hz DC output: 12 V/500mA (Single and Dual Chargers); 12 V/2 A (Quad Charger)	Quad Charger: Charges four batteries simultaneously via battery slots. AC input: 110-230 V, 50/60 Hz DC output: 12 V/500mA (Single and Dual Chargers); 12 V/2 A (Quad Charger)
Leather carrying case	Yes	Yes	Yes
Speakerphone dock	Yes - docking base provides full-duplex voice speakerphone	Yes - docking base provides full-duplex voice speakerphone	Yes - docking base provides full-duplex voice speakerphone
Talk/Standby	8hr talk/80 standby; 12hr talk/120 standby or 8hrs talk/160 hours standby	8hr talk/80 standby; 12hr talk/120 standby or 8hrs talk/160 hours standby	8hr talk/80 standby; 12hr talk/120 standby or 8hrs talk/160 hours standby
Radio Specifications			
QoS Extensions	WMM or CCX - no support for SVP server. With existing WLAN network cannot mix wireless QoS on same radio	WMM or CCX - no support for SVP server. With existing WLAN network cannot mix wireless QoS on same radio	WMM or CCX - no support for SVP server. With existing WLAN network cannot mix wireless QoS on same radio
Connectivity			
Frequency	2.4-2.4835 GHz and 5.8Ghz	2.4-2.4835 GHz and 5.8Ghz	2.4-2.4835 GHz and 5.8Ghz
Frequency Band	802.11b/802.11g, 802.11a and 802.n (both 2.4Ghz and 5Ghz)	802.11b/802.11g, 802.11a and 802.n (both 2.4Ghz and 5Ghz)	802.11b/802.11g, 802.11a and 802.n (both 2.4Ghz and 5Ghz)
NEC Platforms			
NEC Platforms	UNIVERGE 3C, SV8100, SV8300 & SV8500 - standard SIP license	UNIVERGE 3C, SV8100, SV8300 & SV8500 - standard SIP license	UNIVERGE 3C, SV8100, SV8300 & SV8500 - standard SIP license

System Station Features and Limitations

NEC has performed interoperability with the SpectraLink handsets with UC software revision 4.0.0 and has provided both a list of noted features, with any limitations as well as a quick start guide on how to program the SpectraLink 8440 8450 and 8452 handset on the SV8500, SV8300 and Spherical NEC voice platforms

NEC is responsible to ensure the handset can register to the NEC PBX.

NEC is not responsible for deploying the 8400 series handsets onto the WLAN. Please refer to SpectraLink.

The first criteria in deploying a successful VoIP WLAN is determining which AP your customer is using and if they are supported under the [SpectraLink VIEW program](#)

In addition you should use [SpectraLink wireless](#) best practices to ensure proper wireless implementation.

Any troubleshooting WLAN-related issues regarding the SpectraLink 8400 series handsets deployment, such as coverage holes, roaming issues, interference issues, voice QoS issues, etc should be referred to SpectraLink

84xx to NEC Voice Switch Features					
LEGEND x: Supported N: Not supported C: conditions					
Detailed Features	SV8100	SV8300	SV8500	3C	Remarks
Registration (Single line/Multiple lines)					
Multiple Call appearance	N	N	N	N	Not supported
More than 3 calls per line(1 IP license)	N	N	N	x	All platforms required 3rd SIP license per number
Register multiple lines (Multiple IP license)	x-c	x-c	x-c	x-c	All platforms required 3rd SIP license per number, all numbers are unique to 8400 handset. They cannot be shared with other terminals
Registration Failover/Redundancy					
Registration to first Alternate SIP server	x	x	x	x	
Re-registration to the Primary server after primary server is up	-	-	-	-	
Basic Call Scenarios - Configure phones with single, private line					
Outgoing Call to internal/external party	x	x	x	x	Calls from a 3rd party SIP devices (i.e. SpectraLink 8400 handsets) to internal parties will receive the both calling name and number if the terminal supports it.
Receiving Call from internal/external party	x-c	x-c	x-c	x-c	Calls to a 3rd party SIP devices (i.e. SpectraLink 8400 handsets) will receive calling party number only. Incoming call name is not supported
G.711	x	x	x	x	
G.729a	x	x	x	x	
PBX Number Display of incoming call	x	x	x	x	
PBX Name Display of incoming call	N	N	N	N	

84xx to NEC Voice Switch Features					
LEGEND x: Supported N: Not supported C: conditions					
Detailed Features	SV8100	SV8300	SV8500	3C	Remarks
Hold a call (Destination holds)	X	X	X	X	
Music on Hold	n	n	n	n	
Supervisory transfer (Attended Transfer)	x-c	x-c	x-c	x-c	Caller ID will show the party of first connection and not the call that is being transferred.
Blind transfer (On-hook while transferring a call)			-		Phone will get Recall from original party
Blind transfer by Blind transfer softkey	X	X	X	X	
Being Supervisory transferred (Being Attended transferred)	X	X	X	X	
Being Blind transferred (hear Ring back tone)	X	X	X	X	
Consultation hold					
Consultation hold	X	X	X	X	
Release connecting party and resume held call	X	X	X	X	
Being hung up and resume held call	X	X	X	X	
Transfer while being consultation-held	N	N	N	N	
Hold while being consultation-held	X	X	X	X	
Conference (3-way calling / VS32 or TDSW)					
Conference:	N	N	N	N	SpectraLink 8400 can not

84xx to NEC Voice Switch Features					
LEGEND x: Supported N: Not supported C: conditions					
Detailed Features	SV8100	SV8300	SV8500	3C	Remarks
Origin initiates conference					originate a 3-way conference
Join Conference	x	x	x	x	SpectraLink 8400 can participate in a 3-way conference
Being invited to 3 way conference	x	x	x	x	SpectraLink 8400 can participate in a 3-way conference
Conference (more than 3 way)					
Conference: Origin initiates conference	N	N	N	N	SpectraLink 8400 series handsets cannot originate a 3-way conference call
Join Conference	Y	Y	Y	Y	
Being invited to more than 3 party conference	N	N	c	N	Depending on the conference method, SIP phones (SpectraLink) can be invited to a 8/16/32 party conference bridge
Hold while Invited more than 3 way conference	N	N	N	N	
32 Party Conference	N	N	N	N	
Message Waiting Indicator					
RFC3642 Message Waiting Lamp	x	x	x	x	Envelope icon in display
DTMF Support					
In-band DTMF (G.711 only)	x	x	x	x	
RFC2833	x	x	c	x	Depends on the connecting parties support whether or not this function will work.
SIP-INFO	n	n	n	x	
Access code					
Special Dial tone and Service Set tone for Access code dialing features	x-c	x-c	x-c	x-c	Features can only be activated from PBX side. The handsets do not support special dial tone, service set tones nor confirmation tones

84xx to NEC Voice Switch Features					
LEGEND x: Supported N: Not supported C: conditions					
Detailed Features	SV8100	SV8300	SV8500	3C	Remarks
Additional features					
2nd Dial tone (i.e., "9", account codes and authorization codes)	N	N	N	N	
Call Waiting (2nd call)	x-c	x-c	x-c	x-c	Call waiting is not supported on a single line. 8400 handset can support multiple numbers for rollover capability (i.e. call forwarding)
Call Forwarding RNA, Busy or ALL	x-c	x-c	x-c	x-c	Features can only be activated from PBX side. The handsets do not support special dial tone, service set tones nor confirmation tones
Call park	x-c	x-c	x-c	x-c	
Enable Do Not Disturb	c	c	c	n	DND can be enabled through access code. Functionality from dedicated handset button can't be performed.
NEC UC Application (UCE)					
Integrated with OAI application like UC700/MC550	c	c	c	c	Status of handset is available (i.e. off hook or on hook). SpectraLink Phone Presence information is not provided.

Spectralink Technical Support

If you are a certified SpectraLink reseller with a valid CPC# and have questions please contact SpectraLink Support

Hotline at (800) 775-5330 - The hotline is open Monday through Friday, 6 a.m. to 6 p.m. Mountain Time.

For Technical Support: technicalsupport@spectralink.com

System Documentation:

For additional SpectraLink support on the SV8500 please refer to the standard SIP Page from Peripheral Equipment.pdf located on the NEC NTAC WEB site

For a full list of service conditions and additional programming see the R3.5 SV8300 Features and Specifications manual located on the NEC NTAC WEB site.

For additional SpectraLink support on 3C, please refer to Sphericall Documentation located on the NEC Information Portal > Applications Menu > NEC Downloads > NEC Sphericall Folder > 7.0.1 System Documentation Folder and Third-Party phone matrix pdf.

Documentation which is not listed such as the SpectraLink 8400 series WLAN handsets are not noted with any limitations and the user/integrator can utilize the SpectraLink standard documentation available on the SpectraLink website (www.Polycom.com)

Documentation for the 8400 is posted [here](#)

New Enhancements:

N/A

Limitations

- Voice Mail Message count not correctly displayed on the 84xx product.