

Spectralink DECT Encryption

Full security with Spectralink DECT Solutions

To secure your mobile communication, Spectralink’s DECT solutions support authentication and voice encryption using the DSAA and DSC algorithms from the DECT standard.

Furthermore, all Spectralink IP-DECT/Virtual IP-DECT Servers and Spectralink IP-DECT Base Stations support DECT Security Step A. For more information, see also [DECT Security](#).



Note:

The re-keying procedure that is part of the DECT Security Step A is defined in a way that makes it very sensitive to bit error on the radio link. As a consequence, enabling early encryption and re-keying increases the requirements of the DECT deployment and can cause issues with call quality and dropped connections.

On sites, where it is planned to enable DECT Security Step A, it is highly recommended that a site survey is performed with the early encryption and re-keying option set to required.

In a deployment with areas with signal quality issues (e.g. muted and/or dropped calls), enabling early encryption and re-keying can significantly increase the risk of losing an active call in those areas.



Note:

Encryption of voice packets is not supported by Spectralink DECT Repeaters.

Refer to the tables below for information on required firmware versions:

Spectralink Solution	Product ID	Basic Security	DECT Security Step A
IP-DECT Server 200	72345600	All versions	PCS18Ea or newer
	72345601		

Spectralink Solution	Product ID	Basic Security	DECT Security Step A
IP-DECT Server 400	02344500	All versions	PCS18Ea or newer
	02344501		
IP-DECT Base Station	02337400	All versions	PCS18Ea or newer
	02337401		

Spectralink Solution	Product ID	Basic Security	DECT Security Step A
IP-DECT Server 6500	02350000	All versions	PCS18Ea or newer
IP-DECT Base Station	02337400 02337401	All versions	PCS18Ea or newer

Spectralink Solution	Product ID	Basic Security	DECT Security Step A
Virtual IP-DECT Server One	14233244	All versions	PCS 20A_ or newer
IP-DECT Base Station	02337400 02337401	All versions	PCS18Ea or newer

Spectralink Solution	Product ID	Basic Security	DECT Security Step A
DECT Server 2500	0270xxxx	All versions	Not supported
Digital DECT Base Station	02440700 02440701 02440710 02440711	All versions	Not supported

Spectralink Solution	Product ID	Basic Security	DECT Security Step A
DECT Server 8000	023389xx	PCS02C_ or newer	Not supported
Digital DECT Base Station	02440700 02440701 02440710 02440711	All versions	Not supported

Spectralink Handset	Product ID	Basic Security	DECT Security Step A
Handset 7202	0260xxxx	All versions	Not supported
Handset 7212	0261xxxx	All versions	Not supported
Handset 7502	7268xxxx	All versions	PCS18D or newer
Handset 7522	0262xxxx	All versions	PCS18D or newer
Handset 7532	0263xxxx	All versions	PCS18D or newer
Handset 7622	0264xxxx	All versions	PCS18D or newer
Handset 7642	0265xxxx	All versions	PCS18D or newer
Handset 7722	0266xxxx	All versions	PCS18D or newer
Handset 7742	0267xxxx	All versions	PCS18D or newer
Handset Butterfly	0236xxxx	All versions	Not supported