



Using AirWave to Manage your Symbol WLAN

The AirWave Wireless Management Suite™ software gives you a single, comprehensive console from which to monitor, configure and control your Symbol wireless LAN infrastructure. The core components of the suite include the AirWave Management Platform™ (AMP) software, the VisualRF™ module for location tracking and RF mapping, and the RAPIDS™ module for rogue access point detection. Whether your WLAN consists of 25 access points or twenty-five thousand, these applications provide the complete management solution you need to make your network reliable, secure, and supportable.



VISIBILITY	<i>Reduces wireless problem resolution time by up to 75%</i>
Device & User Monitoring	Rapid drill-down from network-wide views to detailed real-time monitoring screens for every device and user. Tracks each user by username, MAC address, and IP address.
RF Site Maps	Uses data from APs to build RF heatmaps and channel maps to identify coverage gaps and interference.
Location Accuracy	Displays accurate location for all clients and devices, for reliable trouble-shooting and asset tracking
Reporting	Generates historical trend reports with up to two years of data for intelligent planning & diagnostics
FLEXIBILITY	<i>Extends the useful life of WLAN hardware by a year or more, on average</i>
Multi-architecture Support	Supports Symbol autonomous APs (including the 4131 and 4121) and controllers/thin APs (WS-2000 and WS-5000) from one integrated console
Multi-vendor Support	Helps avoid vendor lock-in by supporting Aruba, Cisco (Airespace + Aironet), HP ProCurve, Proxim, Enterasys, Avaya, and many other leading vendors
MANAGEABILITY	<i>Automates manual processes and eliminates opportunities for human error</i>
Configuration Management	Centrally defined configuration policies are applied uniformly across the network – to the controllers in ‘thin AP’ architectures and directly to the autonomous APs.
High-Latency Tolerance	Group-configurable polling periods and built-in tolerance for packet loss for the many instances in which Symbol APs are connected to high-latency networks (such as retail locations or warehouses).
Scheduling	Configuration changes and firmware updates can be scheduled for a pre-defined maintenance window
USABILITY	<i>Allows you to shift wireless user support responsibilities back to the Help Desk</i>
Easy-to-use Web UI	Web-based user interface and workflows designed for use by the entire IT staff, not just network engineers. User views can be tailored so each user sees only the information he needs to do his job.
SECURITY	<i>Eliminates misconfigurations and rogue devices that lead to security breaches</i>
Automated Compliance Audit & Auto-repair	Generates side-by-side onscreen views comparing the current configuration of Symbol devices to the pre-defined policy -- and automatically ‘repairs’ the configuration to match policy, if desired.
Role-based Access Control	User privileges can be restricted by role (i.e., ‘retail store’ vs. ‘headquarters’ APs) and by responsibility (read-write, read-only, auditing privileges) to maintain security. Roles may be administered by TACACS+.
Rogue AP Detection	Detects rogue APs via wireless scans (using Symbol and other access points) <u>and</u> by wired network scans (SNMP and HTTP) -- even detecting rogues that are not within range of your Symbol APs.
SCALABILITY	<i>Provides a single management console no matter how large your WLAN grows</i>
“Manager-of-Managers”	AirWave Master Console™ provides a single web interface through which you can monitor and control multiple AMP servers, enabling efficient management of 25,000+ access points from a single console.

