



Bulletin No.: WLAN\_007\_v2.4.12

March 6, 2015

## Software Version V2.4.12R for Samsung WEC8500/WEC8050 Controllers Available Now!



Samsung Electronics America is pleased to announce software package V2.4.12R is now available.

Please contact Technical Support to obtain this new version. A Samsung Assurance agreement must be active for each site requiring an upgrade.

## INCREASED SYSTEM CAPACITY

[WEC8500]

Item		APC v1.6	APC v2.0~2.3	APC v2.4
Max APCs in a cluster		12	12	12
Max APs per APC	Centralized mode	500	1000	1000
	Distributed mode	500	3000	3000
Max APs per cluster	Centralized mode	3000	3000	3000
	Distributed mode	3000	3000	3000
Max Stations per APC		10000	10000	20000
Max Stations per cluster		60000	60000	60000
Max AP Groups		50	300	3000
Max Remote AP Groups		200	400	3000
Max APs per AP Group		3000	3000	3000
Max APs per Remote AP Group		50	50	3000

[WEC8050]

Item		APC v1.6	APC v2.0~2.3	APC v2.4
Max APCs in a cluster		2	2	2
Max APs per APC	Centralized mode	75	75	75
	Distributed mode	75	75	75
Max APs per cluster	Centralized mode	150	150	150
	Distributed mode	150	150	150
Max Stations per APC		1500	1500	1500
Max Stations per cluster		1500	1500	1500
Max AP Groups		50	50	75
Max Remote AP Groups		30	30	75
Max APs per AP Group		150	150	150
Max APs per Remote AP Group		25	25	150

## HIGHLIGHTED NEW FEATURES in v2.4.12R

1. **New Wizard** with a 10 step easy configuration. You can configure different items like VLANs, WLANs and DHCP server.

2. **Automatic Scheduled Configuration Backup.**

Databases can be backed up periodically (monthly, weekly or daily) and the backup files can be either saved locally or sent to a remote FTP server.

**Periodic Upload**

<b>UPLOAD</b>	<input type="radio"/> Enable <input checked="" type="radio"/> Disable
<b>CYCLE</b>	<input checked="" type="radio"/> Monthly <input type="radio"/> Weekly <input type="radio"/> Daily Day <input type="text" value="01"/> Time <input type="text" value="00"/> : <input type="text" value="00"/>
<b>IP VERSION</b>	<input checked="" type="radio"/> v4 <input type="radio"/> v6
<b>IPV4 ADDRESS</b>	<input type="text" value="0"/> . <input type="text" value="0"/> . <input type="text" value="0"/> . <input type="text" value="0"/>
<b>IPV6 ADDRESS</b>	<input type="text" value="0000"/> : <input type="text" value="0000"/> : <input type="text" value="0000"/> : <input type="text" value="0000"/> : <input type="text" value="0000"/> : <input type="text" value="0000"/> : <input type="text" value="0000"/> : <input type="text" value="0000"/>
<b>PORT</b>	<input type="text" value="21"/>
<b>USER ACCOUNT</b>	<input type="text"/>
<b>USER PASSWORD</b>	<input type="checkbox"/> <sup>1</sup> <input type="text"/>
<b>REMOTE PATH</b>	<input type="text"/>
<b>TRANSFER MODE</b>	<input checked="" type="radio"/> FTP <input type="radio"/> SFTP

**HIGHLIGHTED NEW FEATURES in v2.4.12R****3. New Active-Active and Active-Standby configuration.**

In case of Active-Active or Active-Standby system, the Active mode is chargeable and Standby mode is free of charge. If the users need to change to 'Active-Active' or 'Active-Standby' mode after issuance of license as 'Standalone', the existing license needs to be terminated and re-issued as 'Active-Active' or 'Active-Standby' license.

**4. DPI (deep packet inspection)**

- 28 Applications-Aware
- Classification of Application
- QoS/ACL/Traffic Statistics per Application
- QoS/ACL/Traffic Statistics of Application per User, WLAN, Device

**5. AP-Group/Remote-AP-Group Integration****6. RBAC Enhanced**

- URL-redirect service
- Role assignment by filter-id attribute
- Conditional role derivation by identity-basis (ex, if ID starts with emp, set employee role)
- Bandwidth Limiting by Role

**7. Split tunnel supported (It allows to optimize traffic flow. Traffic may be tunneled to the controller, or forwarded directly by AP according to ACL in the remote AP)****8. VLAN Secondary IP supported****9. Member management of Interface Group by IP****10. Acl-profile management per Remote AP Group****11. Buffered forwarding in legacy handover****12. SSID length is extended up to 32.****13. 2 Factor (L2 & L3) Authentication****14. MAC Auth + Web Auth****15. DHCP flooding (Transparent DHCP Packet Forwarding to the same VLAN)****16. MCS configuration per WLAN****17. Traffic load based Energy Saving****18. Downed AP is displayed in APC monitor page.****19. Max login count of captive-portal is not limited****20. Default TCP MSS size is changed into 1400**

**HIGHLIGHTED NEW FEATURES in v2.4.12R**

21. Device type based statistics
22. Peak count for specific duration is provided in statistics.
- 23. Outdoor AP (WEA453e) will be supported. (Coming soon)**
24. 2 Hop Service (supported only with WEA4xx)
25. Speed/duplex are displayed for both of WEA4xx Ethernet ports.
26. WEA4xx link aggregation configuration (CLI: configure/ap/profile# link-aggregation)
27. [AP] When wlan-vlan mapping is configured in remote AP, stations are induced to re-associate.
28. [WEA3xx] Device information is provided to switch via LLDP.
29. [WEA4xx] repeater AP feature is changed.
  - The count of repeater APs which can connect to a root AP is changed from 1 to 6.
30. [AP] When WES is enabled, LED blink on/off can be configured (default=on, default-blink-time=30s)
31. [Standalone sensor AP] When the AP is disconnected with WES Server, it blinks with bluish-green at 1 second interval.

**ACCESS POINT COMPATIBILITY**

The compatible APC and AP software versions are:

APC Model	AP Controller Software	Access Points 3xx	Access Points 4xx
WEC8500 Controller	wec8500_2.4.12R	weafama_2.4.12R	weafamb_2.4.12R
WEC8050 Controller	wec8050_2.4.12R	weafama_2.4.12R	weafamb_2.4.12R

NOTE: When upgrading to V2.4.12R make sure to use the compatible Access Point software.

**AVAILABILITY**

WLAN Certified technicians/engineers can contact Samsung Technical Support to obtain the APC and AP software for new or existing WEC8500 and WEC8050 sites. Both APC & AP software files are needed.

A Samsung Assurance agreement must be active for each site requiring an upgrade.

## CERTIFICATION & TRAINING

This new software does not require any additional certification. Certified WLAN technicians/engineers will be grandfathered over to this new software version.

## DOCUMENTATION

The following Samsung WLAN technical documents have been upgraded to support and are available on GSBN for Download > Communication > Technical Support > Technical Manuals WE.

- WEC8500WEC8050\_System Description
- WEC8500WEC8050\_APC\_Maintenance Manual
- WEC8500WEC8050\_APC\_Operation Manual
- WEC8500WEC8050\_System Message Description

## WARRANTY INFORMATION

### Hardware

WLAN access points come with a two (2) year warranty from purchase date.

*If there are any questions regarding this notice, please contact your Regional Sales Manager or Samsung Technical Support via email at [we.support@samsung.com](mailto:we.support@samsung.com).*