



Date: March 29th, 2013

Release number: 904X

904X FW adds the following features:

- Adds support for VL811-Q4S 2-Port Hub
- Updated USB Charge Controller to better support charging on ASMedia and Etron hosts

❖ **USB 3.0**

- 1) Fixed an issue with USB 3.0 hosts that do not support Save/Restore under Windows 8 which could result in the hub being repeatedly dropped after resume from suspend
- 2) Fixed an issue with certain USB 3.0 hosts which would result in partial device enumeration if the host is disabled/enabled in device manager
- 3) Fixed an issue on OSX 10.8.3 which would result in a USB 3.0 device dropping to USB 2.0 mode after cold boot

❖ **USB 2.0**

- 1) Updated bcdUSB value to report 0x0210 to resolve WHCK Exposed Port test failure.
Note: Known Microsoft Issue in Windows Vista and 7 Pre-SP1: Full/low speed devices will not enumerate if the hub is connected to a USB 2.0 port.
- 2) Code consolidation

Date: March 11th, 2013

Release number: 903X

903X FW adds the following features:

- USB charging support to Samsung Tablets
- SSC & USB Compliance Enabled by default
- Updated Hub Configuration to simplify firmware customizations

❖ **USB 3.0**

- 1) Fixed a bug where the USB 3.0 hub would not enter low power state during suspend
- 2) Improved compatibility with Buffalo Thunderbolt/USB 3.0 Drive on OSX

Storage Retention: No expiration date



❖ **USB 2.0**

- 1) Optimized PHY setting for better compatibility with marginal Low-Speed devices
- 2) Fixed an issue with remote wakeup from the Battery Charging port.

Date: Dec 12th, 2012

Release number: 901X

Initial External Release. VL811+ and VL812 hubs share the same baseline code. If there are IC dependent differences, they will be listed as such.

Naming Convention:

The FW version is 901

The trailing number represents special functions:

1 = Normal Operation

4 = Battery Charging Support

For example, 9014 = FW version 901 with Battery Charging

This firmware is for hardware revision B2 parts only.

Firmware for Hardware revision B1 parts use the following format: 8XXX

Firmware for Hardware revision B2 parts use 9XXX.

Storage Retention: No expiration date

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