

SkyRouter Firmware Release 4.02.02

Release Notes (November 14 2014)

Release type:

Optional but required for certain features and applications as described below.

Background:

Release 4.02.02 consolidated a number of features that had been available in beta, as well as fixing some bugs.

Applicability:

Firmware release 4.02.02 is applicable to SkyRouter Models Z4200U and Z4400U and for customer specific SKUs derived from these two baseline models.

Bug Fixes:

++ Backup and restore of entire configuration was found to be backing up mac, serial number and release ID files. This caused issues when the configuration was loaded onto another device as the device would then end up with the parameters of the backup source device. Changes were made so that these file are not part of the backup/restore process. Contact Ctek to field repair any units impacted by this problem.

++ Automation Control – Fixed issue with AND and OR functions not working properly.

Platform Features:

A multiple APN feature that was added that supports up to three APNs with either automatic or manual assignment. This feature impacted:

- Administrative screens (UM 4200-4400)
- XML interface commands (APN005)
- Serial PAD commands (TN007)

The Ethernet Interface screen now supports the configuration that allows the platform to act as a Network (DHCP or static addressed) client thereby allowing the device to be connected to a corporate or personal network connection using a public or private Internet connection as a WAN. Support for configuration as a Network gateway using the cellular connection as a WAN continues to be available and is the default configuration.

Note – The Network Client capability is useful to configure a unit to download applications, firmware releases, or patches using the Flash Update feature found under tools.

SkyCloud service logic was added to the standard release. SkyCloud provides three levels of service, two premium visual services and a third service which provides the DDNS functionality previously supplied through the EW/UDP service.

Please note that the EW/UDP protocol will not be supported after this release as any new or newly updated unit can take advantage of the SkyCloud DDNS service. The SkyCloud service will continue to support the EW/UDP protocol for legacy hardware.

DDNS services – Completed the work begun in 4.02.00 to consolidate DDNS and the SkyCloud Visual Navigation and Management system under a single administrative interface located in the Services menu.

Automation Control Features Added (APN007)

1. Formulas now support averaging function. Two averaging accumulators allow maximum of two pins to be evaluated in averaging mode.
2. Formulas now support values derived from other input and output pins in addition to the current pin as previously supported
3. Timers have been changed so that time values could be taken from inputs or outputs instead of being limited to immediate values. This requires a timer syntax change as described in APN007
4. Virtual outputs (digital and numeric) can now execute a program – Setting any value causes the program to execute.
5. SkyCloud display of all pin types is now supported
6. The ability to set Application Status (Red/Yellow/Green) to a SkyCloud pin under Automation Control programming is now supported
7. All Automation Control screens have been reformatted and consistent color coding has been applied
8. The I/O module polling rate has been significantly increased
9. The I/O module polling rate is now available as an input to virtual numeric pins