AdderLink Infinity and A.I.M.

Software Updates for 2016-17

AdderLink Infinity longevity upgrade

Upgrade to boot partition of ALIF1002, ALIF2000, ALIF2002 and ALIF2112 products

The ALIF units have Flash memory devices inside of them which are rated to have guaranteed memory retention for 10 years.

We have discovered a fault in the implementation of how these Flash memory devices are managed that, in the current system, could cause the Flash memory could become corrupted after 3 to 4 years.

If the system has ever had been upgraded the clock is effectively reset and the 3-4 year life starts again.

The upgrade is to the low level control software.

Once the new firmware is applied, you cannot roll back to a previous version of code. In effect this will be the only version for the system.

To ensure an easy upgrade path, we are delivering the upgrade in two parts:

1) **Stability** upgrade - V4.3 Hot fix (ALIF 1002 and ALIF2000) and V3.6 (Mixed systems between ALIF1000 and AlIF1002/2000)

2) **Reliability** upgrade (Flash control is the only change) V4.4 and V3.7
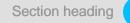
AdderLink Infinity longevity upgrade

Upgrade to boot partition of ALIF1002, ALIF2000, ALIF2002 and ALIF2112 products

There are no functional changes or bug fixes between the **Stability** version and the **Reliability** version.

Once the Reliability version has been applied, the system cannot be rolled back. Customers can apply the Stability version and check that this operates to their satisfaction before going to the Reliability version.

The customers must go to the Stability version before they go to the Reliability version. i.e. no large jumps in versions

The upgrade image for Reliability contains the images for the main partition/ backup partition and boot loader and can be loaded in from either AIM or the local web pages.

AdderLink Infinity

AdderLink Infinity endpoints:

V4.3.40381	Stability build	29/09/2016	
V4.4.40349	Reliability build	29/09/2016	No going back from here
V4.5	Feature build	30/10/2016	
V3.6	Stability build	07/10/2016	
V3.7	Reliability build	07/10/2016	No going back from here

AdderLink Infinity Manager

Software updates

There is small patch released to the V4.4 AIM release for long term stability.

Under heavy switching load or in systems with redundant servers, excess load on the database could occur causing excessive usage and wear of the solid state memory that is fitted in the AIM server.

Wear cannot be undone so as a precautionary measure we have fitted a two stage alarm process to indicate if a potential issue is looming.

Alarm 1 indicates that the memory has reached a level of use equivalent to 75% of its life and a warning message is displayed to feed back this to your local support. The devices typically run for double there stated life so there is time to plan for maintenance.

Alarm 2 is the detection of errors on the disk which indicates that a real failure may not be far away. This is non cancellable and has a stronger warning .

From the 12th August 2016 all AIM units have been fitted with an up-rated SSD which has a longer life expectancy as a extra layer or reliability.
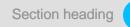
AdderLink Infinity Manager (A.I.M.)

Software updates

AdderLink Infinity manager:

V4.4.40323	Reliability build	03/10/2016	
V4.5	Feature build	30/10/2016	
V4.0.40185	Reliability build	21/09/2016	Build for older mixed systems

AdderLink Infinity & A.I.M.

V4.5 features

Feature list:

Packet loss monitoring	Alerts admin user if network becomes unreliable
Permanent OSD	Option to have "Channel name" present permanently on screen
C-USB-LAN integration	Manages devices and controls switching