

# Technical Service Bulletin

## Microsoft Windows 10, .NET 4.6 and HiQnet Applications

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### *Introduction*

Microsoft recently released the .NET Framework version 4.6. This version of the framework ships with Visual Studio 2015 and Microsoft Windows 10. As part of this new framework Microsoft also released a new version of their 64-bit .NET compiler. The compiler executes when you run applications such as Audio Architect and Performance Manager and optimizes the software to execute efficiently on the host machine. It has been discovered that there is an issue with the new .NET compiler in .NET Framework 4.6 which causes an incompatibility with Audio Architect on 64-bit operating systems. At this time we have not determined if it also affects Performance Manager and System Architect.

### *Symptoms*

Audio Architect 1.50 and earlier will crash on startup of the application with an unhandled exception. Audio Architect 1.60 and later will startup, but you will not be able to place down a BSS Soundweb device on the venue view. There may also be other unpredictable behavior which we have not determined as of this time.

## ***Solution***

The issue has been reported to Microsoft and only Microsoft can provide a proper solution. Microsoft has acknowledged that this is an issue, and are determining a course of action. In the meantime Harman Professional has developed workarounds for existing installations and for future releases.

Harman Professional will be updating the current 1.75.0 release to 1.75.1 to create a workaround so that the new compiler is not used. At the same time a tool will be developed to update existing installed applications so that they do not use the new compiler.

## ***Recommendations***

First and foremost we recommend not installing .NET 4.6 or any applications that come with .NET 4.6 until Audio Architect 1.75.1 is made available. As of the time of writing only Visual Studio 2015 and Windows 10 are known to include .NET 4.6.

For when you need to use existing versions (pre 1.75.1) with .NET 4.6, then you will need to use the Harman Professional provided tool to update existing applications to make them use the old compiler. When the tool is ready it will be made available here:

<http://audioarchitect.harmanpro.com/en-US/software>