

IEEE 1722a Version 1 headers Use Cases

Dave Olsen
dave.olsen@harman.com

Professional Live Performance

- Control needs to be protected
 - Hacker disables concert
 - Hacker redirects Audio/Video Streams
 - Only known controllers have access to manage
- Recording feed needs to be protected
 - This is not a DTCP/HDCP issues as the content is live
 - Stolen content

Automotive

- Firmware updates
 - Disable firmware updates except from authorized devices
 - There are “third party” hacks available today for infotainment systems
- Diagnostic information
 - Cars are keeping more and more information some of which may be considered private (location, speed, etc.)
- Critical Control system
 - Allow only authorized ECU's to perform critical functions
 - Disable immobilizer
 - Start car
 - Disable vehicle