RISK ANALYSIS

iLink Hardware
Nel-Tech Labs, Inc.
February 23, 2011 – Rev D

Release No.	Date	Revision Description
Rev. A	8/25/2005	Risk Analysis TELink 1250i
Rev. B	2/29/2008	Changed to iLink
Rev. C	4/16/2010	Updated Firmware to v06.53
Rev. D	2/23/2011	Updated Firmware to v06.57

1.0   GENERAL INFORMATION

1.1   Purpose

The purpose of this Risk Analysis is to analyze the Risk and System Security of the iLink when connected to a Local Area Network via its Ethernet Port. This Risk Analysis will examine System Security, Risks and Safeguards, and Risk Reduction Recommendations.

1.2   System Overview

- iLink - Firmware v06.57

1.3   Project References

- iLink Users Manual
- NTL Studio Software Manual
- NTL Studio Management & Distribution Software

1.4   Points of Contact

Nel-Tech Labs, Inc.
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Derry, NH 03038
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2.0   PROJECT AND SYSTEM DESCRIPTION

2.1   Summary

The iLink is an Internet downloadable messaging system utilizing state-of-the-art MPEG compression to achieve truly stunning near-CD quality audio storage and playback. All unit management and audio downloads are accomplished by your dealer using a special controller software suite. When an update is needed your dealer connects to the iLink via your high-speed Internet connection and digitally transfers the MP3 audio files and configuration settings you need. Changes can be initiated on demand, scheduled from minutes to weeks, or the iLink can be instructed to connect automatically and load new audio.

3.0   SYSTEM SECURITY

This device does not encompass a hard drive, it is not susceptible to viruses of any type, nor is it capable of storing or relaying viruses of any type. System uses a custom NAND flash memory file system with an ARM9 architecture running an embedded version of Linux.

The iLink is connected to a Local Area Network with a STATIC or DHCP assigned IP Address. The iLink is capable of establishing connections back to the system controller on TCP ports that are assigned by the end-user and dealer.

Authentication between the system controller running NTL Studio and the iLink is established with a 6 character password and a proprietary handshaking algorithm. These safeguards protect against unauthorized access to both the iLink hardware and the system controller.

4.0   RISKS

Very Low to None

5.0   SAFEGUARDS

End user should only allow the iLink to communicate with the dealers global IP address.

End user should only allow the IP used by the iLink only to pass UDP/TCP traffic.

6.0   PERIODIC RISK ASSESSMENT

Nel-Tech Labs performs periodic risk assessments of the iLink and controller software as needed