

# NLSS DC-400 HD Media Decoder: Quick Start Guide

The NLSS DC-400 HD Media Decoder is a 1080p HD device that can simultaneously decode and display up to 4 HD or SD video streams from compatible IP cameras, video streams, and local files. Also it is based on PSIA standards and RTSP, RTMP, and HTTP protocols, and is thereby compatible with potentially numerous devices as well as Internet resources.

This *Quick Start Guide* is for using the NLSS HD Media Decoder in Independent Mode, without NLSS Gateways. In Independent Mode, you can plug the NLSS HD Media Decoder directly into any HD 1080p display via HDMI inputs; configure the NLSS HD Media Decoder via a PC browser; and operate the NLSS HD Media Decoder from the same browser or a remote control.

## PACKING LIST

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The following items come with your NLSS HD Media Decoder:

- DC-400 Decoder
- Power supply
- Stand and monitor mount
- Utility CD
- *NLSS DC-400 HD Media Decoder: Quick Start Guide* (this document)

## FCC STATEMENT

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This device complies with Part 15 of the Federal Communications Commission (FCC) Rules. Operation is subject to the following two conditions:

- This device may not cause harmful inference, and
- This device must accept any interference received including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with manufacturer's instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in

a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment to an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

**CAUTION:** Any changes or modifications not expressly approved by the grantee of this device could void the user's authority to operate this equipment.

### **CE Mark Warning**

This is a Class B product. In a domestic environment, this product may cause radio interference, in which case the user may be required to take adequate measures.

### **Product Disposal Notice**

This product (electrical, electronic equipment, and mercury-containing button cell battery) should not be placed in municipal waste. Check local regulations for disposal of electronic products.

## **SAFETY INSTRUCTIONS**

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Your system is designed and tested to meet the latest standards of safety for information technology equipment. However, to ensure your safety, it is important that you read the following safety instructions.

### **Setting Up Your System**

- Read and follow all instructions in the documentation before you operate your system.
- Do not use this product near water or a heated source such as a radiator.
- Set up the system on a stable surface.
- Openings on the chassis are for ventilation. Do not block or cover these openings. Make sure you leave plenty of space around the system for ventilation. Never insert objects of any kind into the ventilation openings.
- Use this product in environments with ambient temperatures between 0°C and 40°C.
- If you use an extension cord, make sure that the total ampere rating of the devices plugged into the extension cord does not exceed its ampere rating.

### **No Disassembly**

The warranty does not apply to products that have been disassembled by users.

## INSTALLATION

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1. For ease of discovery, ensure your IP cameras are installed and powered on a LAN before installing the NLSS HD Media Decoder on the same LAN.
2. Using an HDMI cable, connect the HDMI port of the NLSS HD Media Decoder to the HDMI port of a 1080p monitor or TV.
3. Using an Ethernet cable, connect the NLSS HD Media Decoder to a LAN shared by your IP cameras and a PC.
4. Plug the power cord of the NLSS HD Media Decoder into an AC outlet, and turn it on.
5. Insert the supplied NLSS Discovery Utility CD into the disc drive of a PC on the same LAN as the decoder. Important notes:
  - The NLSS Discovery Utility requires Windows XP or more recent operating system with .NET 2.0 or above.
  - After the decoder is installed, you can use any PC with Internet access, running any operating system, to configure and control the decoder. All you need is either FireFox (3.0 or above), Safari (3.0 or above), or Internet Explorer (8.0 or above) – with the Flash 10.1 or above plug-in installed.
6. Copy the Utility file from the CD to the PC's hard drive, and select **Scan** to run the Utility. The Utility will list all the NLSS HD Media Decoders it discovers.
7. In the list of discovered decoders, select the IP address of the desired NLSS HD Media Decoder to display its login screen in the default browser of your PC. This login screen is the front door of the NLSS Web Interface generated by the decoder.
  - If auto-discovery fails to find your NLSS HD Media Decoder, then follow the instructions for manual discovery in the “Configure the Decoder on the Network” section of the *NLSS DC-400 HD Media Decoder: User Guide for Independent Mode*. This document is available at [www.nlss.com](http://www.nlss.com).
8. In the NLSS Web Interface, login to your NLSS HD Media Decoder using the following default username and password. We recommend that you change the password after logging in.
  - **User: superuser**
  - **Pass: superuser**
9. After you log into the NLSS HD Media Decoder for the first time, we recommend that you do the following things. (For details, see the *NLSS DC-400 HD Decoder User Guide* that's available at [www.nlss.com](http://www.nlss.com).)
  - Customize the default passwords for the Superuser and Operator.
  - Select *Decoder* in the Main Menu to display the Decoder screen. In this screen, click the **Check Update** button to see if new firmware is available for your decoder. If so, update the firmware to the latest version.
  - Still in the Decoder Menu of the NLSS Web Interface, set the **Global Password** to match the global password that you set on all your cameras. Then reboot the decoder and log in again.

The decoder should now do the following things:

- Discover all compatible cameras on your LAN.
- List these cameras in the Cameras Menu of the NLSS Web Interface
- Create a separate Channel for each camera the decoder can read, and create a 1x1 View for each Channel.
- Create one Channel containing the NLSS logo video, and display this Channel on the monitor attached to it.

## BASIC OPERATION

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The following instructions assume that you have successfully installed the NLSS HD Media Decoder; that the decoder has discovered at least one live camera on your LAN; and that the decoder is able to read the parameters and video stream of said camera.

There are several ways to display cameras on the monitor attached to your NLSS HD Media Decoder. Perhaps the simplest way is to display one camera at a time by displaying the Channel assigned to each camera, as follows:

1. Select the Channels Menu from the Main Menu of the NLSS Web Interface.
2. Select the desired Channel in the Channels List. The Channel Info screen appears for the selected channel.
3. In the Channel Info screen, select the **Set Active** button to display the target Channel on the attached monitor.



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