

honestech[™]
nScreen[™] **Deluxe**

User Guide



End User License Agreement

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Table of Contents

End User License Agreement	2
Table of Contents	4
1. Introduction	4
1.1. What is nScreen™ Deluxe?	5
1.2. Main Features	5
1.3. System Requirements	5
1.4. Contents	5
2. Hardware Setup	6
2.1. nScreenBOX™ Installation	6
2.2. nScreenBOX™ Setup	8
3. Software Installation	13
4. How to Use	16
4.1. Product Registration	16
4.2. Using honestech nScreen™ Deluxe	16
4.3. Settings	19
5. Using nScreen on Android Phones/Devices	23
5.1. Installing nScreen app on your Android Device	23
5.2. Connect to the nScreen Wi-Fi network	24
5.3. How to use the nScreen app	27
6. Uninstall nScreen Deluxe	29
7. Advanced Settings for nScreenBOX™	30
7.1. Factory Reset	30
7.2. Firmware Update	30
8. nScreenBOX H/W SPEC and FCC Warning	30

1. Introduction

1.1. What is nScreen™ Deluxe?

honestech nScreen™ Deluxe enables you to project your PC screen and sound to a display device such as a TV, projector, or monitor using a wireless network. You can also stream multimedia content from mobile devices such as a smartphone or desktop PC. The TV in your living room can be used as a screen for your laptop or desktop PC through your home Wi-Fi connection. For example, the content you are viewing on your PC can also be viewed on your TV screen simultaneously. Honestech nScreen™ Deluxe can also serve as a great presentation tool for business applications.

1.2. Main Features

- **PC** : Capture screen in HD format and stream with sound via Wi-Fi connection.
- **HD Quality**: supports high-definition video up to 1280x720 resolution.
- **Multi-User Support**: Stream from multiple devices/users to a single display device.
- **Project**: Stream your presentation through a Wi-Fi connection and project it on a display device.
- **Mobile Devices**: Stream multimedia content from a mobile device including iPhone®, Android™ and Windows Mobile phones.

1.3. System Requirements

- **Operating Systems:**
Windows® 7 (32/64 bit)
Windows Vista® (32/64 bit)
Windows® XP Service Pack 2/3 (32 bit)
- **Processor:**
Intel® Pentium Core™ 2 Duo 2.1GHz or higher
- **Free Hard Disk Space:**
200MB
- **Wireless LAN:**
802.11 n/g Wi-Fi Card
802.11 n/g Wi-Fi Router
- **TV or Projector**
HDMI cable for HD resolution
Composite cable for standard resolution

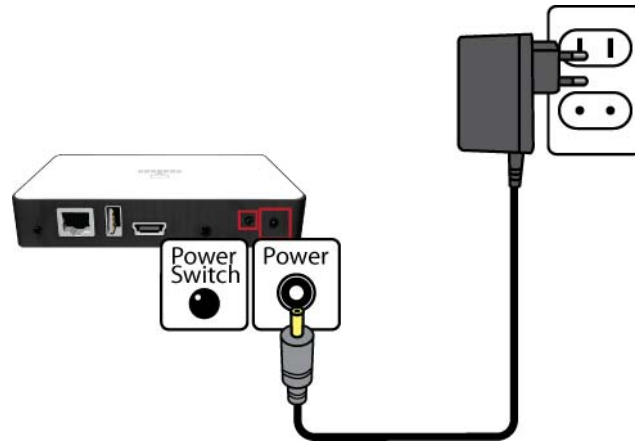
1.4. Contents

- nScreen software CD
- nScreen hardware (nScreenBOX™)
- HDMI cable
- Ethernet cable
- Composite AV cable
- Power adaptor
- Hardware Setup

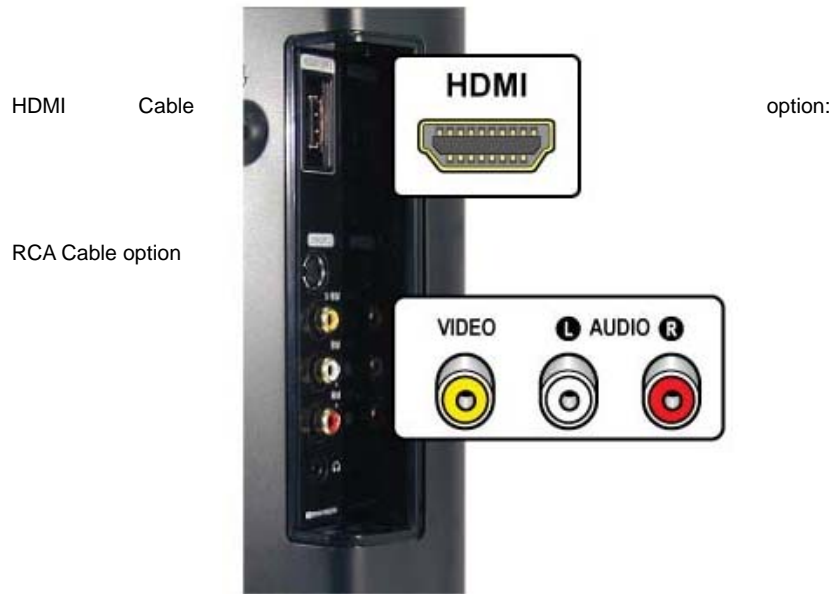
2. Hardware Setup

2.1. nScreenBOX™ Installation

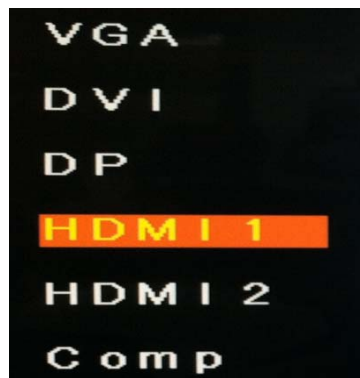
Connect the power adaptor to a power outlet. Connect the other end of the power adaptor to the back of the nScreenBOX™



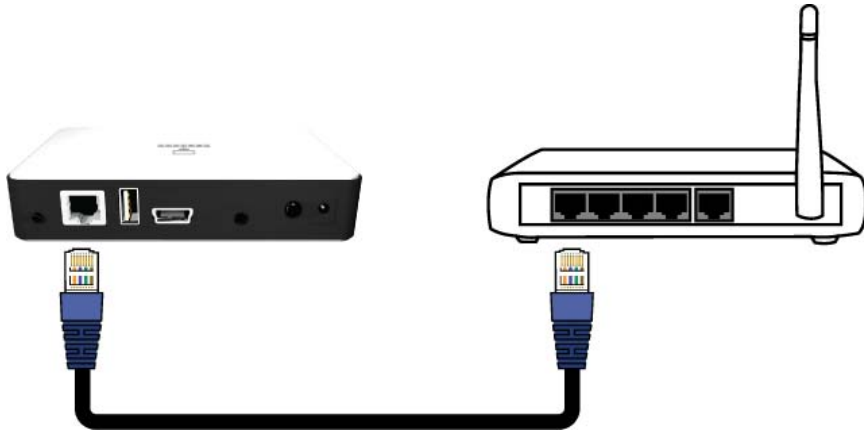
Connect the HDMI cable to the back of the nScreenBOX™. Connect the other end of the HDMI cable to your TV or projector. If your TV does not support an HDMI connection, use the RCA cables to connect the nScreenBOX™ to your TV.



Select the input option on your TV or projector to HDMI (if there is more than one HDMI connection, please select the corresponding input).



Optional: Connect the nScreenBOX™ to your internet router with an ethernet cable to access internet and use the nScreen at the same time without changing wireless networks.



2.2. nScreenBOX™ Setup

To access the nScreenBOX™ settings, open the “Wireless Network Connection” on your Windows PC and connect to the “nScreenBOX” network.



Then open a web browser and enter “http://192.168.55.1” in the address bar and press the “Enter” key on your keyboard.

When prompted, enter the nScreenBox password. By default the password is ‘12345678’.



Network Type:

The screenshot shows the 'Network type' configuration interface. The 'Network type' dropdown is set to 'AP (Access Point)'. Below this, the 'Network Name (SSID)' is 'nScreenBOX-313', the 'Channel' is 'Auto', and 'Internet Access' is checked and enabled. The 'Security Mode' is 'WPA2-AES', and both 'Passphrase' and 'Confirm Passphrase' fields are filled with masked characters. A blue checkmark button is visible next to the 'Confirm Passphrase' field. At the bottom, the IP address is 192.168.55.1 and the MAC address is A0:0B:BA:75:0E:8C.

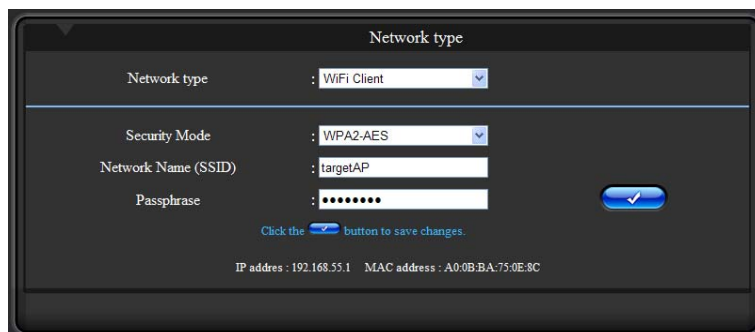
- **Access Point (recommended mode):** the nScreenBOX™ works as an access point allowing access to the internet while simultaneously using the nScreenBOX™. (nScreenBox must be connected to an internet router via a network cable)
- **Network Name (SSID):** assign a network name for the nScreenBOX™. This name will be displayed in your Windows available networks list.
- **Channel:** change the nScreenBox wireless network channel if you experience problems or interference from other wireless networks.
- **Internet access:** allow or deny access to internet services if available.
- **Security Mode and Passphrase:** Change the Security Mode (encryption) and Passphrase for your nScreenBox when needed.
- **Ethernet:** allows you to select a local wireless network instead of the nScreenBOX™ in your Windows “Wireless Network Connection” task menu and still use the nScreen simultaneously. The nScreenBOX™ must be connected to a router using a wired (Ethernet) connection.

The screenshot shows the 'Network type' configuration interface with 'Ethernet' selected in the dropdown. A blue checkmark button is visible. Below the button, there is a note: '* The IP address for the nScreen interface will change. Please make note of the new IP address in order to reconnect to this nScreenBOX interface.' At the bottom, the IP address is 192.168.56.4 and the MAC address is 00:16:E8:73:30:7D.

Note: Once the network type is changed to “Ethernet”, you can access the nScreenBOX™ web user interface with the IP address (web address) assigned to the nScreenBOX™ by your router (i.e: http://192.168.1.xx). Please check the IP address (circled in red above) before applying the change. You can also check the IP address on the nScreen™ startup screen as shown below. The nScreen startup screen is displayed when nothing (media files or PC screen) is being projected.



- **Wi-Fi Client:** allows you to select a local wireless network instead of the nScreenBOX™ in your Windows “Wireless Network Connection” task menu and still use the nScreen simultaneously. The nScreenBOX™ must be connected to a router wirelessly.



Security Mode: must match the encryption setting on your router.

- Network Name (SSID): wireless network name (must be the same network your PC or mobile device is connected to)
- Password: enter the network password.
- Note: if the nScreenBOX™ fails to connect to your router wirelessly, the Network Type will switch back to the “AP (Access Point)” mode automatically.

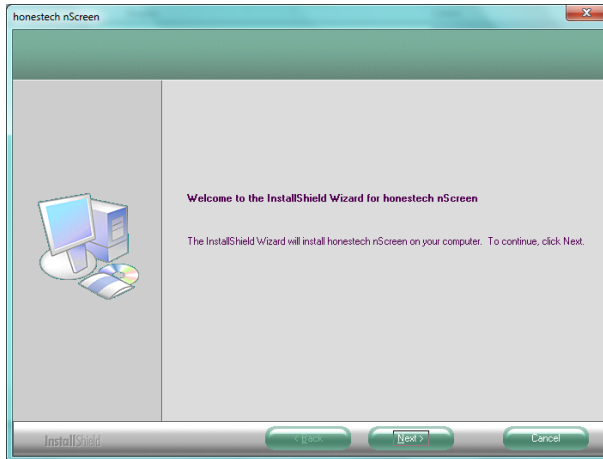
Other Settings



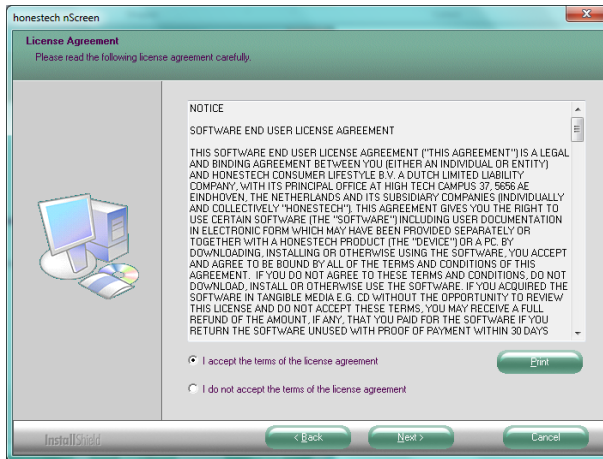
- **Country:** select your country. Different countries have different Wi-Fi channel regulations.
- **Language:** select a language for the web interface.
- **Admin Password:** change the admin password when needed. The default password is '12345678'.
- **Device Name:** enter a name for the nScreenBOX™. nScreen software/app will access the nScreenBOX™ by this name. This option is recommended for networks with more than one nScreenBOX™ device attached.
- **Firmware Update:** check for the latest firmware update. If an update is available, follow the onscreen instruction to download and install the new firmware.

3. Software Installation

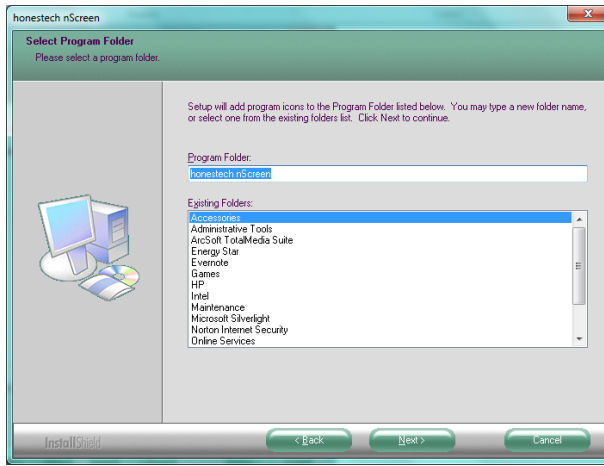
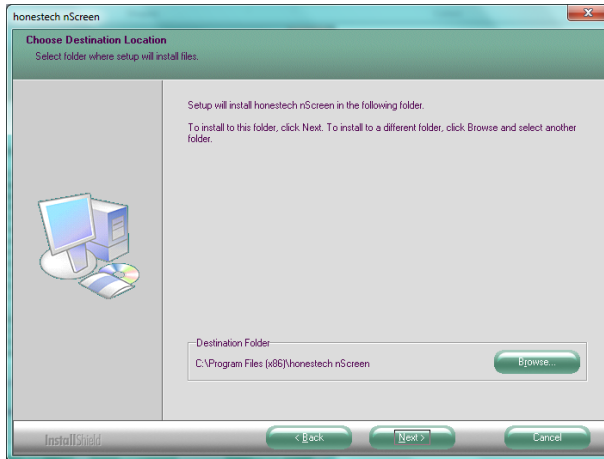
Run the install shield.



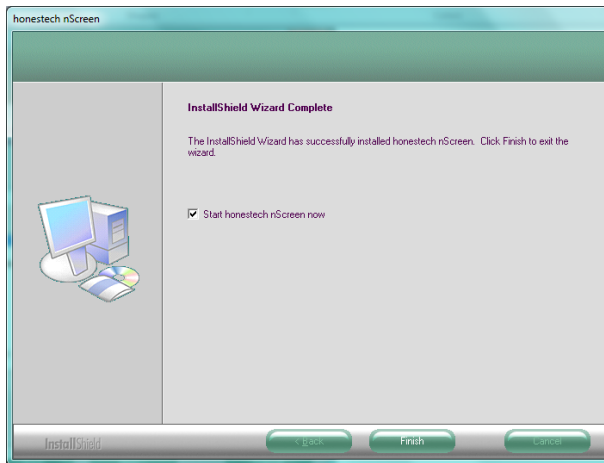
Read and Check the license agreement.



Choose installation location and program folder.



The Installation is complete.



4. How to Use

4.1. Product Registration



Start honestech nScreen™ Deluxe by simply double-clicking the nScreen™ icon on your desktop



Enter the required information and click to register the product. The product key is found on the front or back of the CD sleeve.

Note: by registering your product, your product key will be safe and easily retrievable in the event that it is lost or stolen. If you do not have internet access, please contact our tech support line to register.

4.2. Using honestech nScreen™ Deluxe

Open the "Wireless Network Connection" on your Windows PC and connect to the "nScreenBOX" network.




You can start honestech nScreen™ Deluxe by double-clicking the nScreen™ icon on your desktop.



Or you can start the program through the Start menu button by clicking Start - All Programs - honestech nScreen - honestech nScreen. The following screen will be displayed when the program starts.



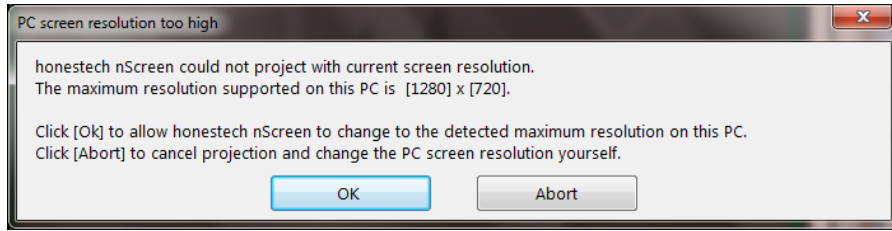
Click the Settings  button to adjust optional settings. Please refer to section 5.2 Settings for more information.

Select "nScreenBOX™" from the list. Click []>] to begin projection of your PC screen.

* If you do not see the "nScreenBOX™" in the list, please check the following:

- A) Make sure a wireless connection is made to the nScreenBOX™ instead of your router.
- B) Make sure the nScreenBOX™ is turned ON.

The following screen may appear if the current resolution on your PC is higher than the maximum resolution supported by the nScreenBOX™.




Click [OK] to allow nScreen to change the resolution and continue.

When projecting your PC screen, nScreen functions can only be accessed from the nScreen icon in the Notification Area (System Tray) of your Windows Taskbar at the bottom of your PC screen.

Right-click the nScreen icon to display the functions pop-up menu.

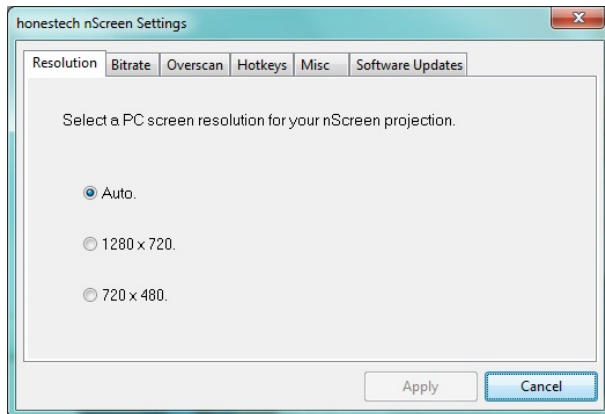


4.3. Settings

The Settings screen can be accessed by clicking the Settings  button on the main screen or by right-clicking the tray-icon in the bottom-right corner of your Windows screen.

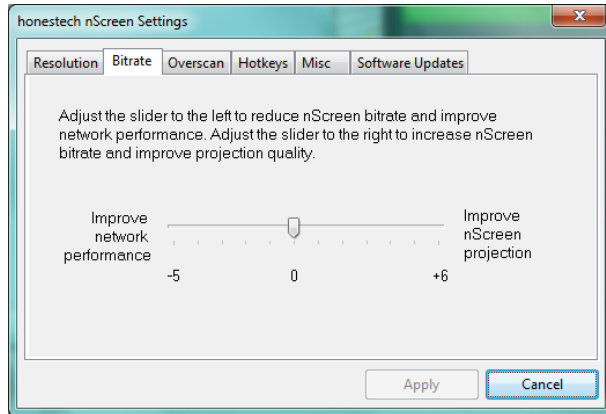


Resolution



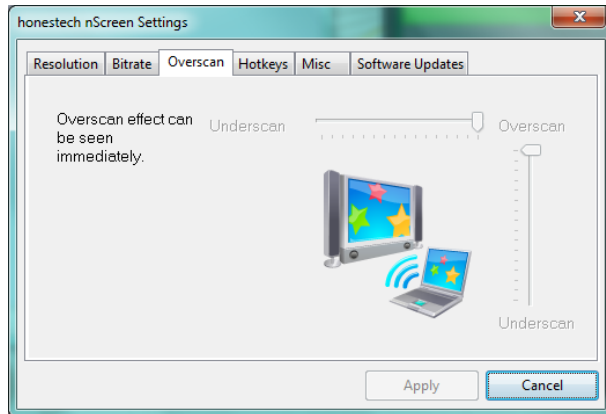
Auto: automatically selects the best resolution setting based on the speed and type of your PC. The lower resolution option will provide smoother video streaming. Click the [Apply] button to save any changes made.

Bitrate



Higher bit rate settings result in better picture quality but may slow down your network. Click the [Apply] button to save any changes made.

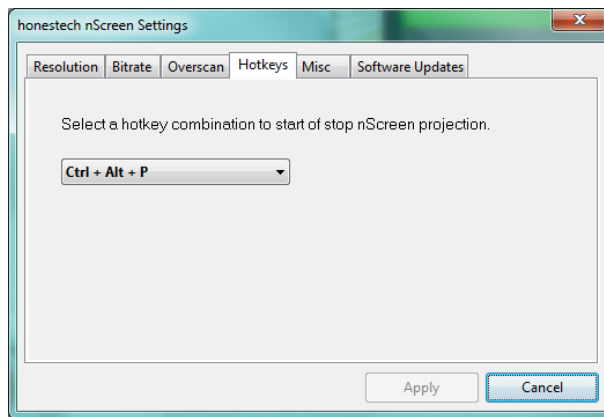
Overscan



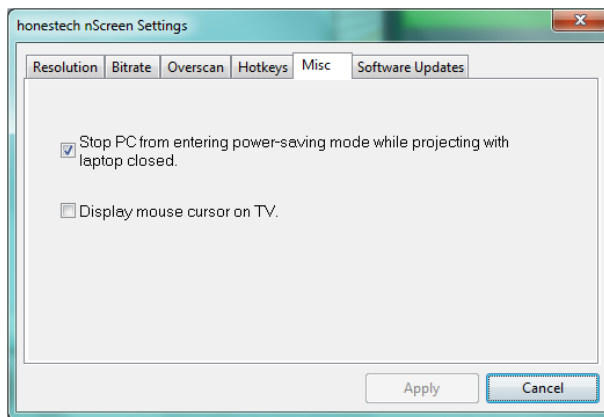
If you cannot see the edges of your PC screen when projecting to your TV, adjust the Overscan slider as needed. Click the [Apply] button to save any changes made.

Hot Keys (Start/Stop Projection)

Select a hot-key combination to start or stop projection.
Click the [Apply] button to save any changes made.

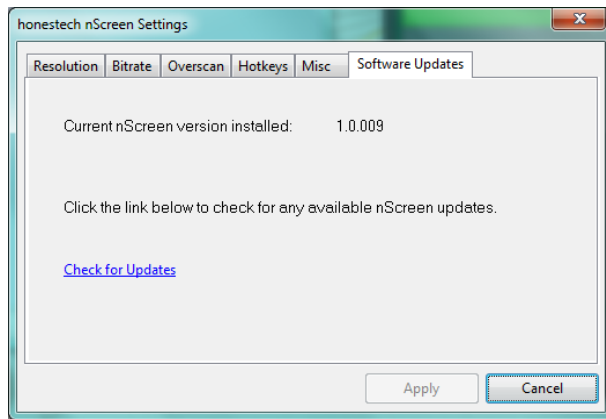


Misc



- Stop your PC from going into power-saving mode if you close the lid while projecting
(Allows your PC to continue projecting when the laptop lid is closed, by temporarily disabling the power-saving mode)
- Enable mouse display on TV (Displays your mouse cursor on the TV screen)

Software update

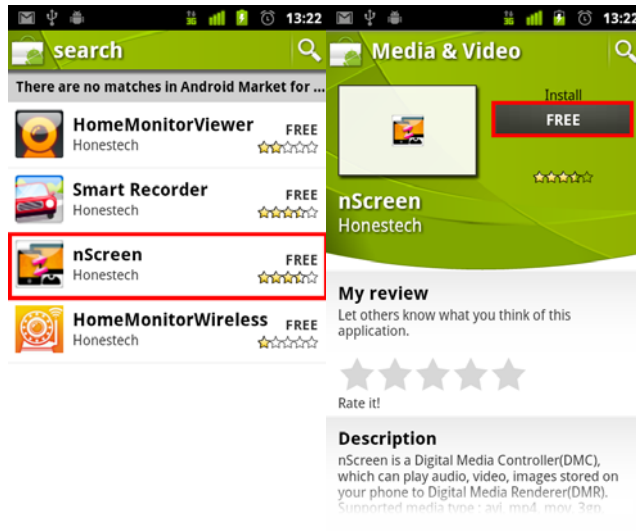


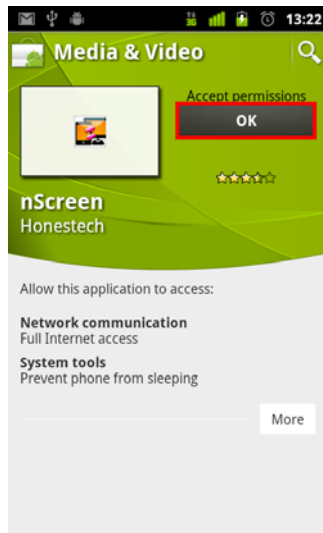
- Displays the current nScreen software version.
Use the link to check for updates to the nScreen software.

5. Using nScreen on Android Phones/Devices

5.1. Installing nScreen app on your Android Device

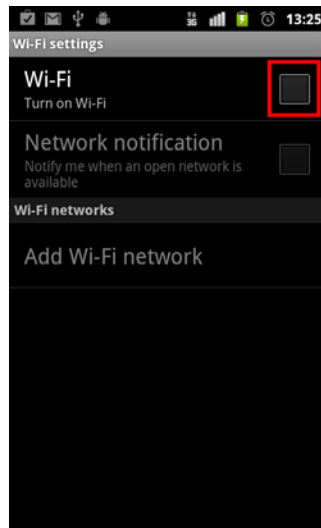
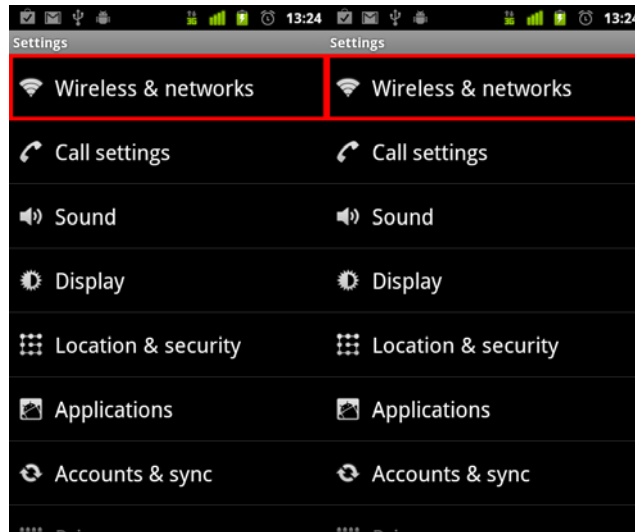
- Android Phone/Device: Launch the Android Market on your Android device. Then search with the keyword 'honestech'. When you find the 'nScreen' app, select it to install on your device.
- Other devices: Launch the App Store or Application Shop on your device. Then search with the keyword 'honestech'. When you find the 'nScreen' app, select it to install on your device.



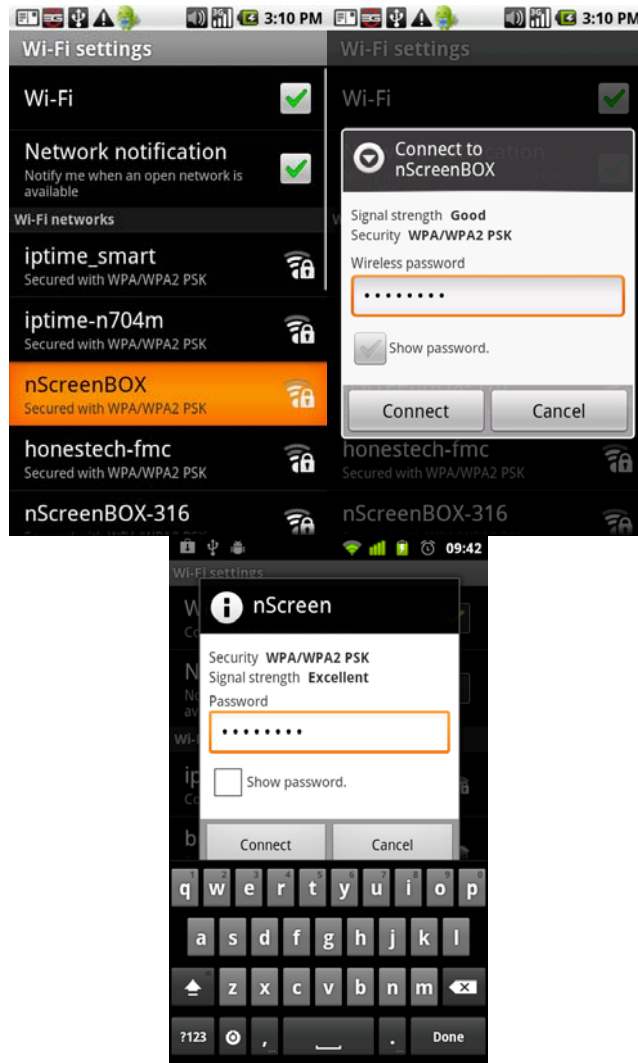


5.2. Connect to the nScreen Wi-Fi network

- Android Phone/Device: Go to Settings > Wireless & network settings > Wi-Fi settings. Check the Wi-Fi option to turn it on.
- Other devices: please refer to the user guide for your device.



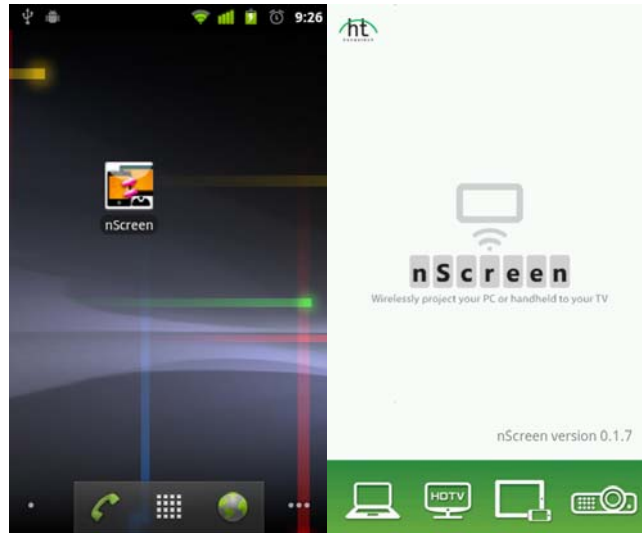
- Connect to the Wi-Fi network named 'nScreenBOX'. When prompted, enter the password (default password: 12345678).



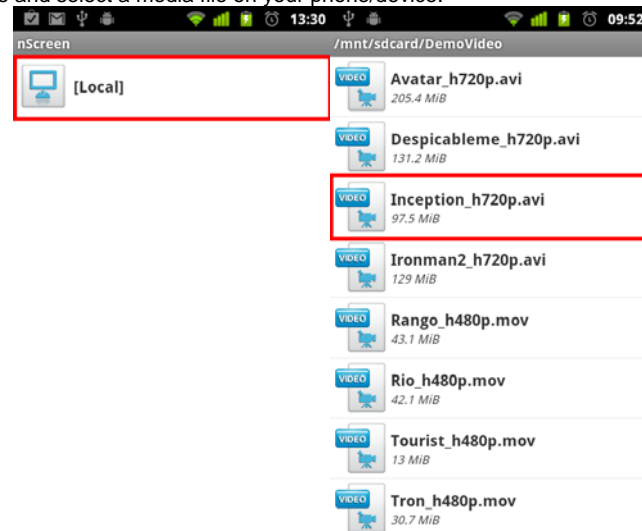
- Confirm that your phone/device is successfully connected to the proper network (nScreenBOX). If not, try repeating the steps above again.

5.3. How to use the nScreen app

Tap the 'nScreen' icon on your phone/device to launch the nScreen app.



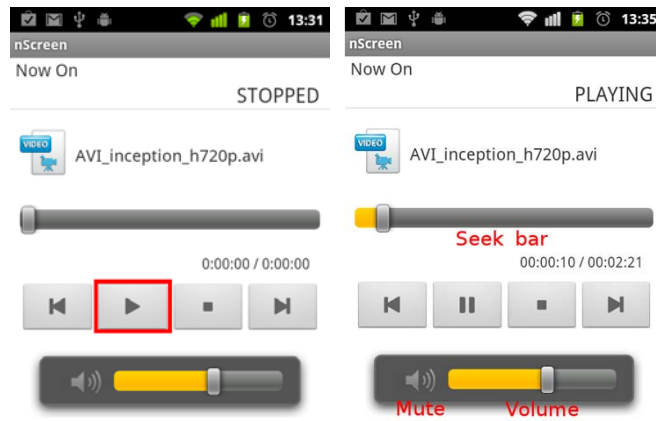
- Browse and select a media file on your phone/device.



- The controller screen below will appear after media has been selected.
- Touch the red box below the media controller to select another compatible device, if available.

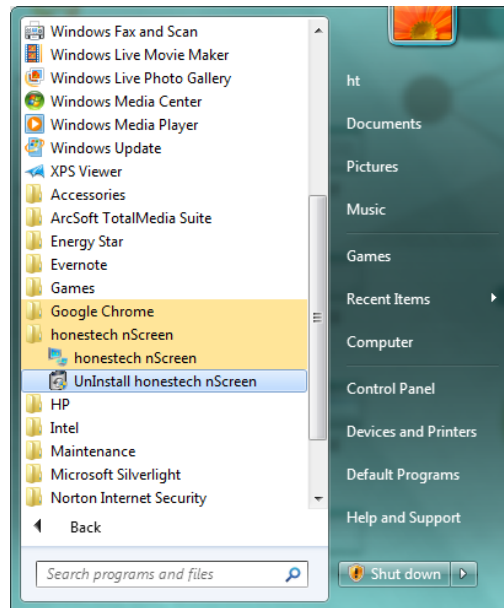


- Press the play button to stream the multimedia content to your TV or projector. Use the seek bar to jump to various points of the multimedia file.

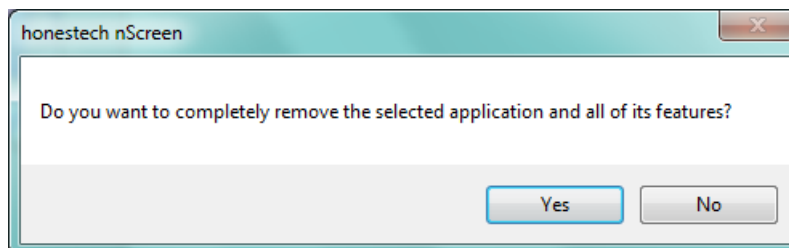


- Use different player applications and select a different player.
- 6. Uninstall**  or  and select a

Select 'UnInstall honestech nScreen' in the 'honestech nScreen' folder under the Windows 'Start' menu in the bottom left corner of your PC screen.



Click "Yes" to confirm the removal of the nScreen program.



7. Advanced Settings for nScreenBOX™

7.1. Factory Reset

The nScreenBOX™ settings can be returned to the factory settings using the instructions below.

- 1) Power OFF the nScreenBOX™ by pressing the power button on the back so it protrudes from the box.
- 2) Using a pointed tool or object, press and hold the reset switch.
- 3) Power ON the nScreenBOX™ while pressing the reset switch.
- 4) Continue pressing and holding the reset switch until the green light on the top of the nScreenBOX™ turns off (takes approximately 5 to 7 seconds).

Once the nScreenBOX™ finishes powering on it will be reset to the factory default settings.

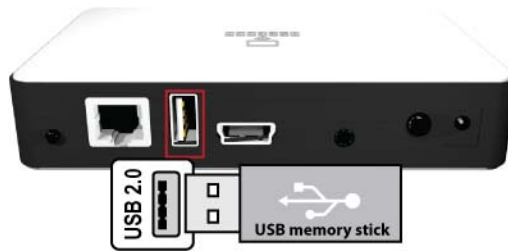


7.2. Firmware Update

The nScreenBOX™ firmware can be updated if a firmware update is available. You can visit <http://www.honestech.com> to see if a firmware update is available. Follow the instructions below to update the firmware.

- 1) Go to <http://www.honestech.com>
- 2) Click the download link to download and save the firmware files (*.dat and *.cfg) onto a USB memory stick. **The firmware files must be saved to the root or top directory of the USB memory stick (not inside a folder). The root directory is the top-level directory represented by a backslash (\), as in F:\ or G:\.
- 3) Connect the nScreenBOX™ to a TV/projector.
- 4) Plug the USB memory stick into the USB port on the back of the nScreenBOX™. Push in

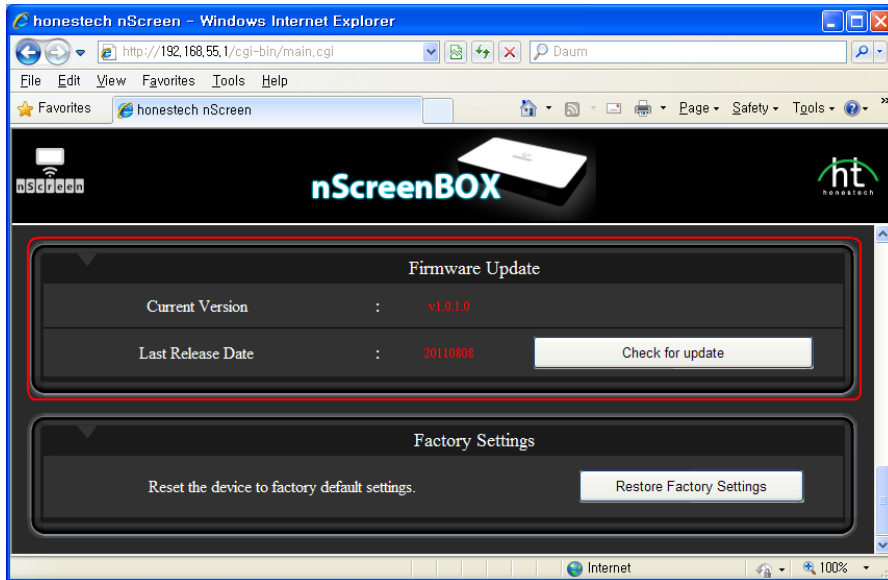
- the Power button to turn on the nScreenBOX™.
- 5) Using a pointed tool or object, press and hold the reset switch until your TV/projector screen turns black (takes approximately 10 seconds).



The nScreenBOX™ firmware will be updated once the nScreen™ startup screen appears on your TV/projector.



* The firmware can also be updated through the nScreenBOX™ setup screen. Please refer to section 2.2 for details.



nScreenBOX H/W SPEC.

- **Power Supply Mode**

RECOMMENDED OPERATING CONDITIONS

Symbol(Domain)	Parameter	Min	Typ	Max	Unit
DC 5V	Main input supply from AC Adaptor	4.75	5.0	5.5	V
To	Operating temperature	-10	+20	+60	°C

- **Frequency range (2400 MHz ~ 2500MHz)**

TEST FREQUENCY	#1	2400 MHz
	#2	2421 MHz
	#3	2442 MHz
	#4	2463 MHz
	#5	2484 MHz
	#6	2500 MHz
IMPEDANCE(NORMAL)		50 ohm
RADIATION PATTERN		OMNI-DIRECTIONAL

- **Modulation system : OFDM**

802.11b : BPSK / QPSK

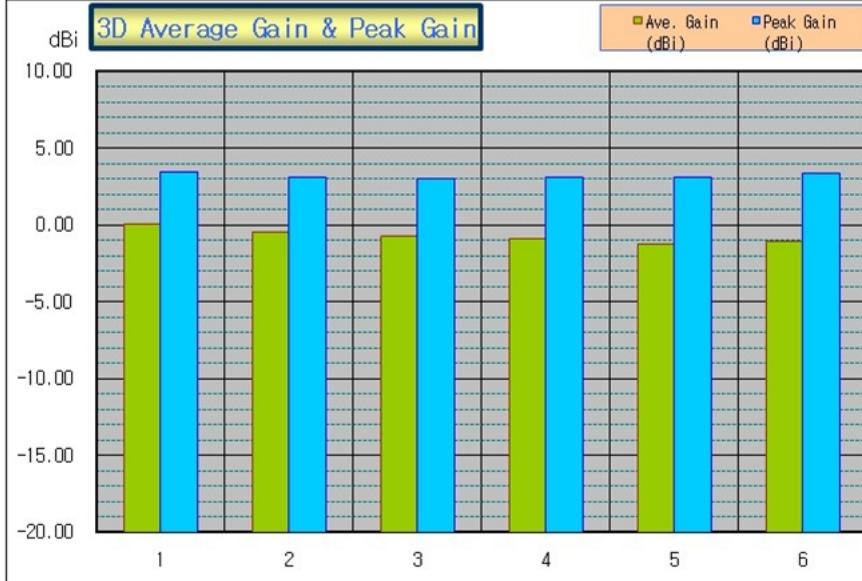
802.11g/n : 16-QAM / 64-QAM

- **Antenna type : PCB Pattern Antenna**

- Gain

Airlink 3D Antenna Measurement Results

Model Name : nScreen			Memo : Memo	
Frequency	Eff. (%)	Ave. Gain (dBi)	Peak Gain (dBi)	Directivity (dBi)
2400 MHz	101	0.05	3.48	3.43
2421 MHz	90	-0.47	3.12	3.59
2442 MHz	85	-0.71	3.02	3.73
2463 MHz	81	-0.90	3.11	4.01
2484 MHz	75	-1.23	3.09	4.32
2500 MHz	79	-1.04	3.38	4.42



FCC Warning

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

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 the 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 into 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

RF Exposure warning statement :

The antennas used for this transmitter must be installed to provide a separation distance of at least 20cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter.

Notes : If you enabled the USB Storage Device when your MID is connected with your USB cable, you would not be able to visit storage card of MID, if you need to visit the storage card of MID, please disconnect the USB cable with the MID.

IMPORTANT : CE in which countries where the product may be used freely: Germany, UK, Italy, Spain, Belgium, Netherlands, Portugal, Greece, Ireland, Denmark, Luxembourg, Austria, Finland, Sweden, Norway and Iceland. France: except the channel 10 through 13, law prohibits use of other channels.

C €2200!