



# NovoPro

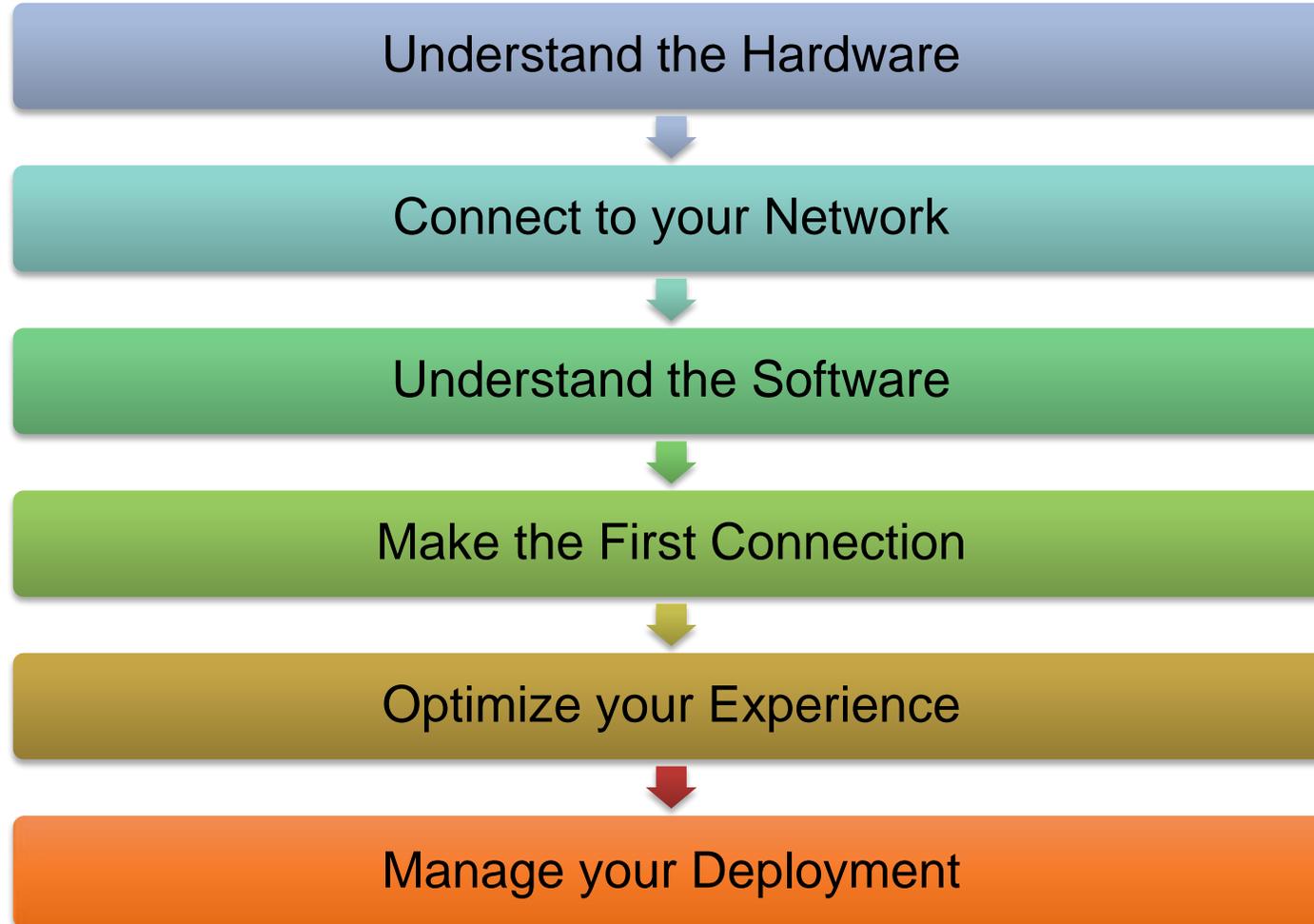
## Quick Start Guide

### For School IT Administrators

April 2017

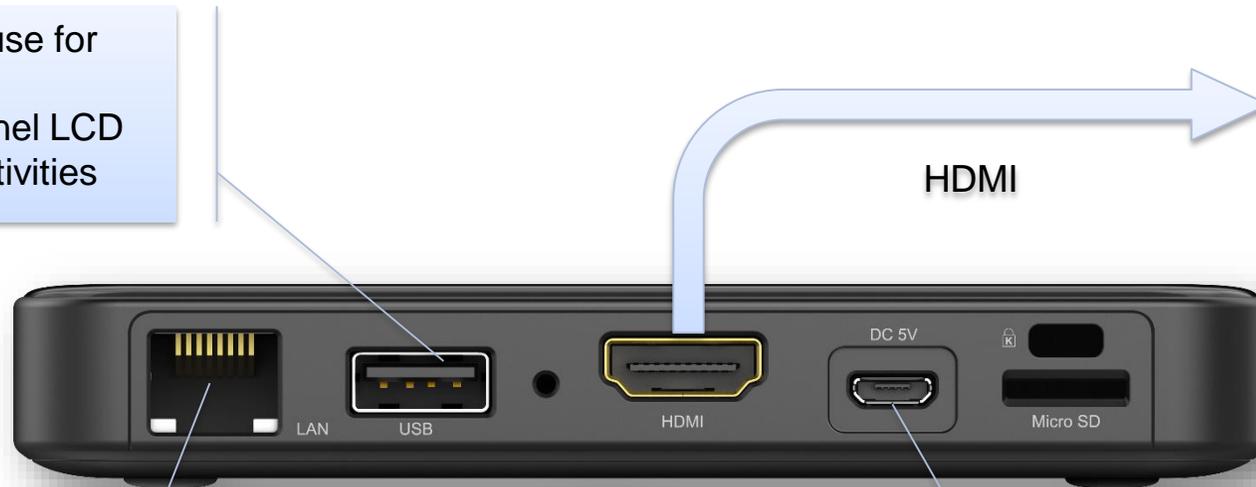
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# Outline



# Understand the Hardware

- Connect to a USB mouse for configuration, or,
- Connect to a touch-panel LCD screen for user interactivities



- Ethernet port (the preferred network connection)
- Built-in WiFi



- Please use the enclosed power adaptor in the product package



# Home Screen

- “Device Edition” – Switch between “Corporation” and “Education” modes.
- Choose “Education” mode for classroom usage.

- “WiFi” – Configure WiFi connection

- Alert message. (like new firmware notification message, etc.)

- Connection Info.

- By default, the device is running at WiFi hotspot mode.

- WiFi
- Display
- Settings
- Device Edition
- About

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- Hide Session Info
- Hide QR Code
- Configure Slideshow

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- Restart

Device firmware version. Always check to upgrade to the latest version

# Connect to Your Network

NovoPro has a broad usage at schools, and its usage decides how to connect to the network.

## BYOD Classroom



- Most popular usage of NovoPro; Need to connect both teacher's network and student's network to NovoPro;
- Can support up to 64 student connections, and can do quad-display.

## Wireless Presentation



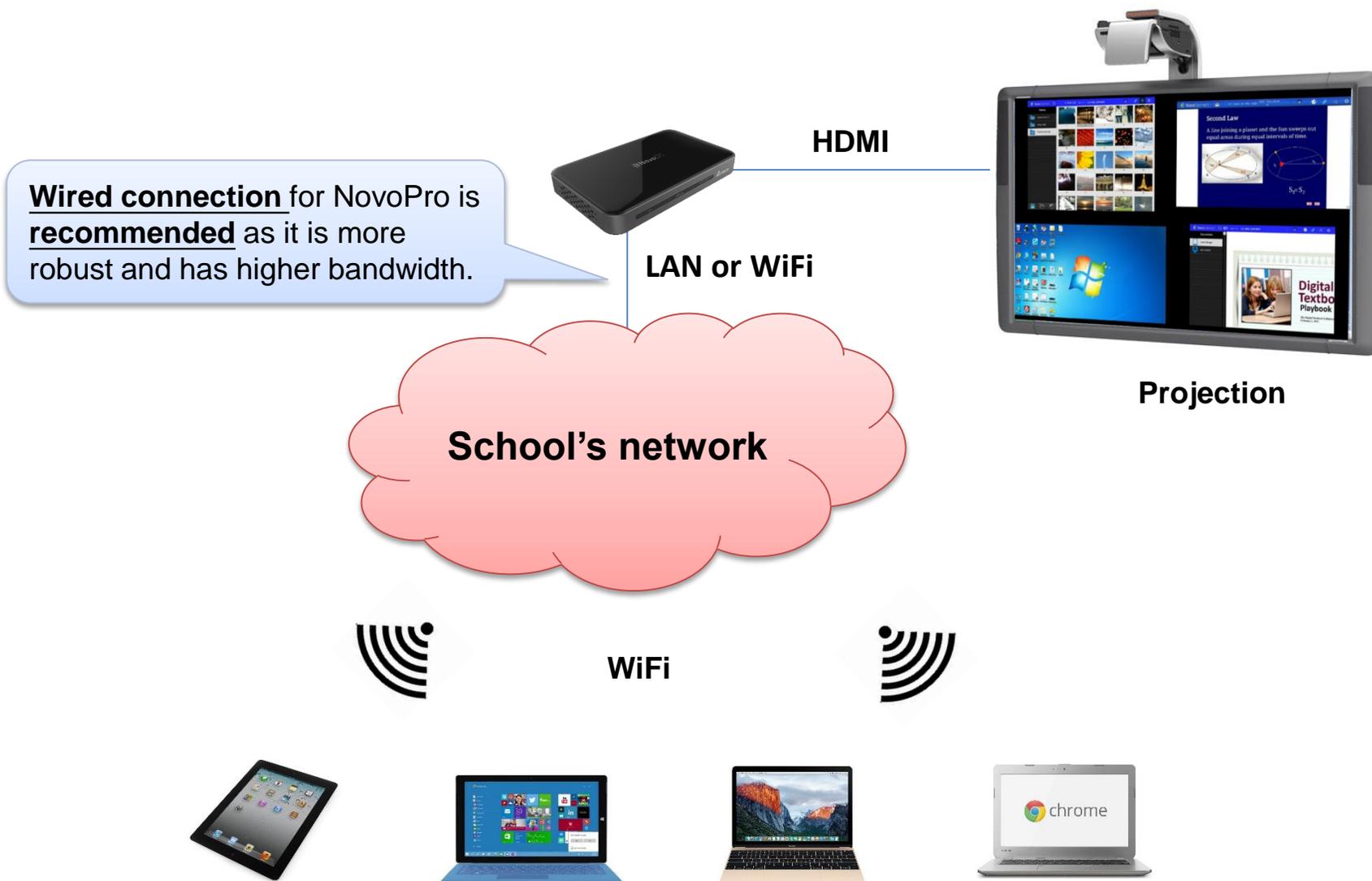
- Only for teachers to present content wirelessly. In this case, connect NovoPro to teachers' network.

## Huddle Room



- Facilitate small group students' project work;
- Can either connect to students' network or enable the hotspot feature of NovoPro.

# Typical BYOD Classroom Setup



# Intranet Firewall and Port Numbers

To enable successful operations of a NovoPRO device, these ports should NOT be blocked by your network's firewall.

Port Number	Type	Inbound (IN)/ Outbound (OUT)	Description
<b>80</b>	TCP	IN	Port for local Desktop Streamer application download page
<b>443</b>	TCP	OUT	Port for device firmware upgrade or streaming YouTube video (need Internet access)
<b>8080</b>	TCP	IN	Port for local Desktop Streamer application download page
<b>20121</b>	TCP	IN	Port to transfer commands and status reports between the NovoPRO unit and users' devices
<b>20122</b>	TCP	IN	Port to enable "Remote Mouse" functionality
<b>20123</b>	TCP	IN	Port to transfer screen image
<b>20124</b>	UDP	IN	Port to send discovery message
<b>20126</b>	TCP	IN	Port to transfer AV-streaming's command data
<b>20127</b>	TCP	IN	Port to transfer AV-streaming's audio data
<b>20128</b>	TCP	IN	Port to transfer AV-streaming's video data
<b>20130</b>	TCP	IN	Port for video streaming service
<b>20131</b>	TCP	IN	Port for file transfer service
<b>20141</b>	UDP	IN	Port for device management
<b>20142</b>	UDP	OUT	Port for device reporting to Remote Manager
<b>20161</b>	TCP	IN	Port for cross annotation
<b>20162</b>	TCP	OUT	Port for device home screen configuration
<b>20192</b>	TCP	OUT	Port for device home screen configuration
<b>20193</b>	TCP	OUT	Port for device firmware upgrade (used by Remote Manager)

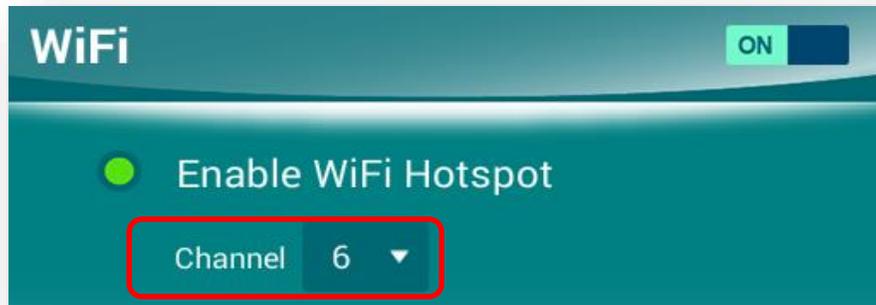
# Quick Evaluation

## Run NovoPro in WiFi Hotspot mode

- No configuration needed (WiFi Hotspot mode is the default configuration)
- No network firewall/policy or bandwidth to worry about
- Connect your mobile devices and/or laptop computers to this WiFi Hotspot

## Keep in mind...

- WiFi Hotspot is 2.4GHz only and has configurable channel
  - Pick a channel with cleaner WiFi spectrum



- Typically Windows computers take a bit longer to connect
  - Windows needs time to verify network connection.
- No Internet connection in Hotspot mode.
  - Online content (like Dropbox or YouTube) will not work



*Connect all your client devices to Hotspot*

# Understand the Software

- **Desktop Streamer:** Screen mirroring and collaboration software for Windows, Mac, Chromebooks
- **NovoPresenter:** Screen mirroring and collaboration App for phones and tablets
- **Remote Manager:** Device management software for IT professional
- **NovoScreenote:** (Optional) Desktop screen annotation software

Platform	Applications			Available at	Volume Deployment
PC/MAC	Desktop Streamer	NovoScreenote	Remote Manager	NovoPro product website: <a href="http://novopro.vivitekusa.com">Http://novopro.vivitekusa.com</a>	Provide silent installation package
					
Chromebook	Desktop Streamer 			Chrome Web Store	Can provide app for volume deployment
Phones & Tablets	NovoPresenter 			Apple App Store Google Play Store	Can provide App/APK for volume deployment

- **One-time hardware purchase**
- **Life-time FREE software usage and upgrade**

# Support AirPlay & Google Cast

- NovoPro supports native AirPlay mirroring and Google Cast+ mirroring
- No application installation is needed.



+ Note: Google Cast mirroring is going to be available from v2.4 release.

# Make the First Connection

- Use Desktop Streamer software to make the connection.

Desktop Steamer

1 IP address (required)

PIN: Not Required

2 Your name

3 Connect

NovoPro Home Screen

NovoPro << Warning: No WiFi connection! 01:40 AM

Share and collaborate up to **64 users** simultaneously

Classroom-6

PIN **8540** (AirPlay Password)

**192.168.29.149**

Not Connected

You can customize this slideshow area with your pictures and videos.

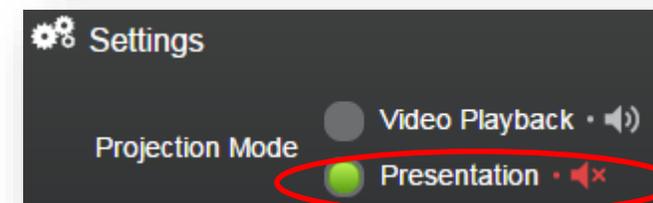
Version: v2.3.1.226 | Edition: EDU

- 1 Key in the NovoPro IP address
- 2 Key in your name
- 3 Click “Connect”

# Optimize Your Experience

## To improve your experience with NovoPro, Some best practices are recommended

- Use wired connection for NovoPro if possible;
- Check your WiFi environment to make sure you have a stable WiFi network;
- When doing a presentation, use “presentation” mode unless you want to stream both video and audio to the projector or display panel.
- If you’d like to play a local video or a YouTube video, use the streaming tool available at Desktop Streamer



# Manage Multiple NovoPro Device



## Remote Manager

- Device Management over the Network
  - Designed for IT administration
  - One computer to manage multiple devices
- (1) Settings (2) Firmware Update (3) Home Screen Configuration

The screenshot displays the Remote Manager web interface. On the left, a sidebar shows a list of devices grouped by location: Admin Building (2), Campus A (2), and Others (1). The main area shows a table of all devices with columns for ID, IP Address, Device Name, Firmware Version, Group, Description, and Online Users. A red circle highlights the settings icon in the top right of the table. An inset window shows the configuration page for device 'Novo-3FEEA0E34 (192.168.1.125)', which includes sections for Device Info, Display, and Network settings.

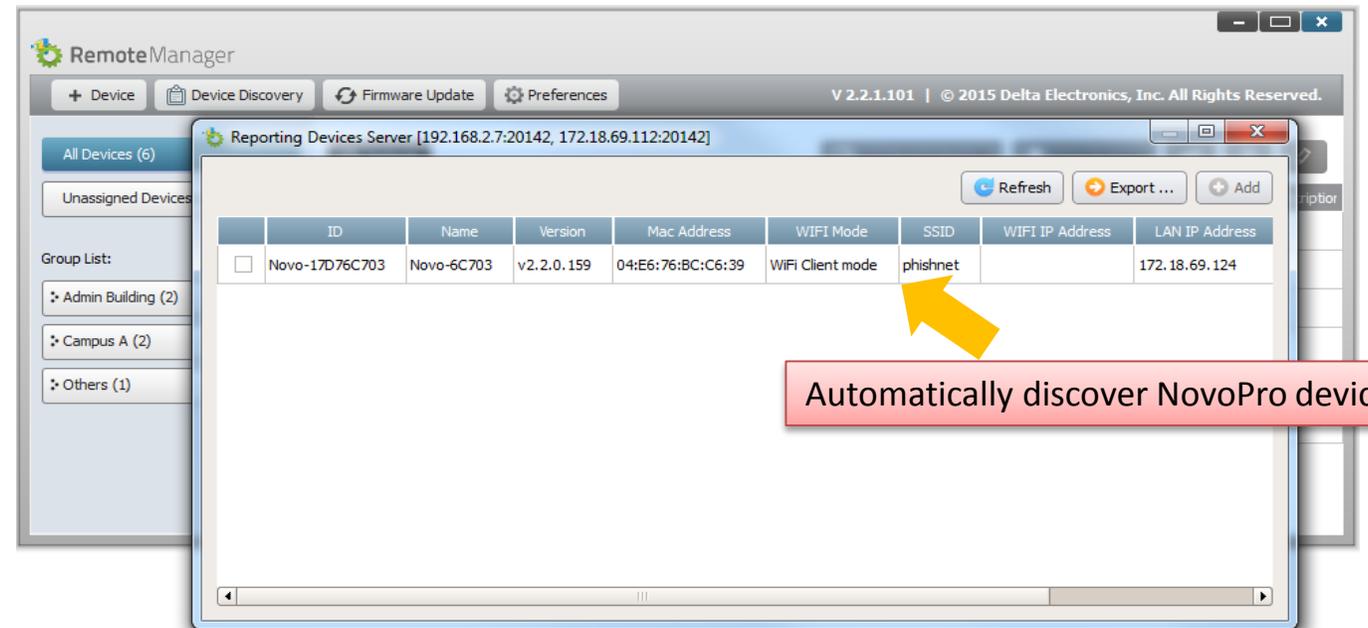
ID	IP Address	Device Name	Firmware Version	Group	Description	Online Users
Room Explorer	192.168.2.80			Campus A		0
Room Discovery	192.168.1.6			Campus A		0
Novo-3FEEA0E34	192.168.1.125	Novo-A0E34	v2.2.5	Admin Building		0
Admin Hallway B	192.168.1.11			Admin Building		0
Classroom 101	172.18.69.134			Others		0
Classroom 102	192.168.2.24					0
Meeting Room Bilbao	192.168.1.105	Novo-B491B				0

# Large Deployment

- **Device Configuration:** Auto-configuration capability to simplify deployment process



**Device Side**



**Remote Manager**

- **Software installation:**
  - Support the popular software distribution systems including Microsoft SCCM or Google's Admin Console.
  - Please contact Vivitek Novo support team for details.

# Our Support

## Online resource

- User Manual and Software Download <http://novopro.vivitekusa.com/>
- Product Video Clips in YouTube <https://www.youtube.com/user/VivitekUSA>

## Contact us

- Customer Service Team Support [1-855-VVK-BEST](tel:1-855-VVK-BEST) (1-855-885-2378)
- Email to [info.us@vivitekcorp.com](mailto:info.us@vivitekcorp.com)



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