



NovoPro

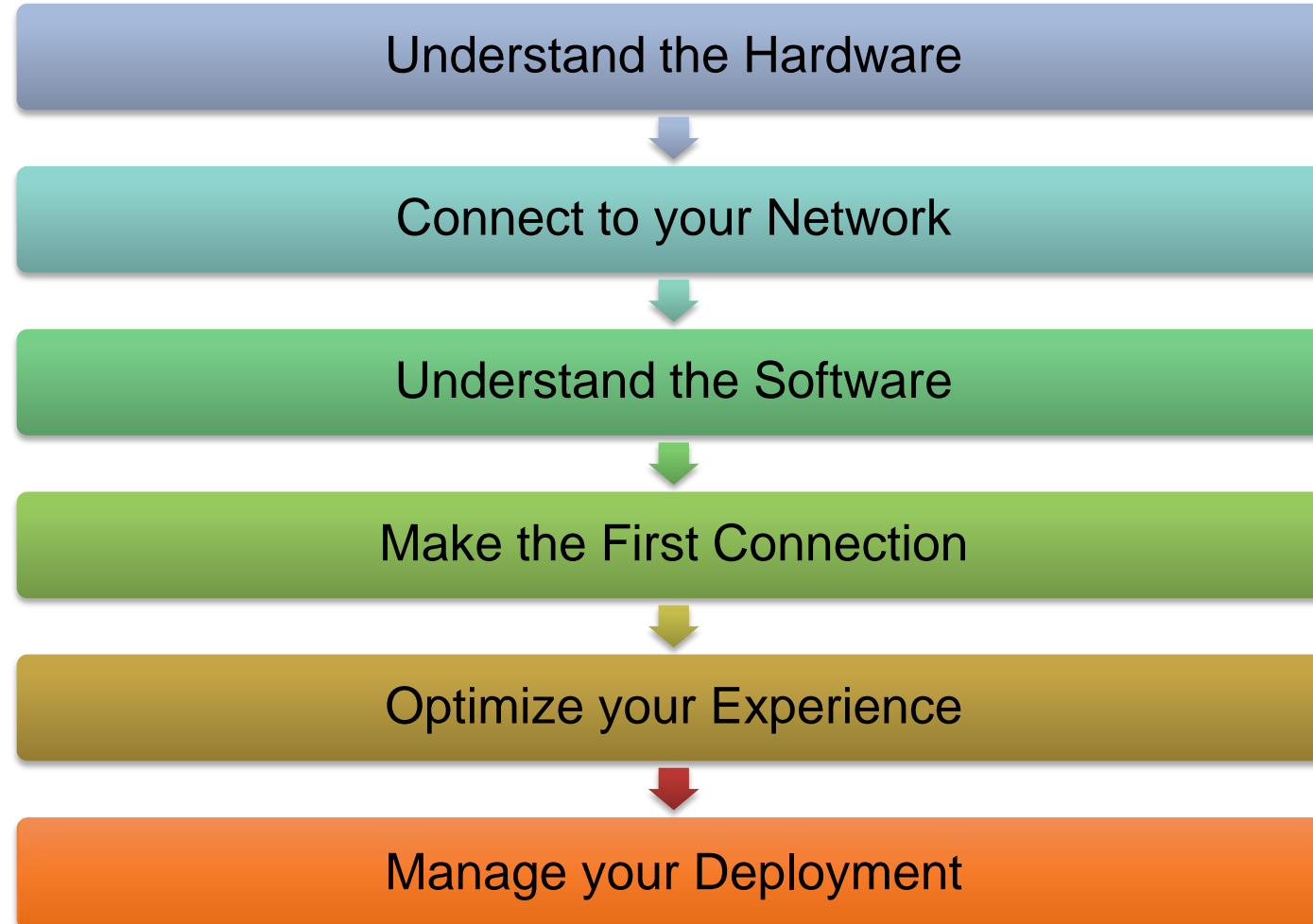
Quick Start Guide

For School IT Administrators

April 2017

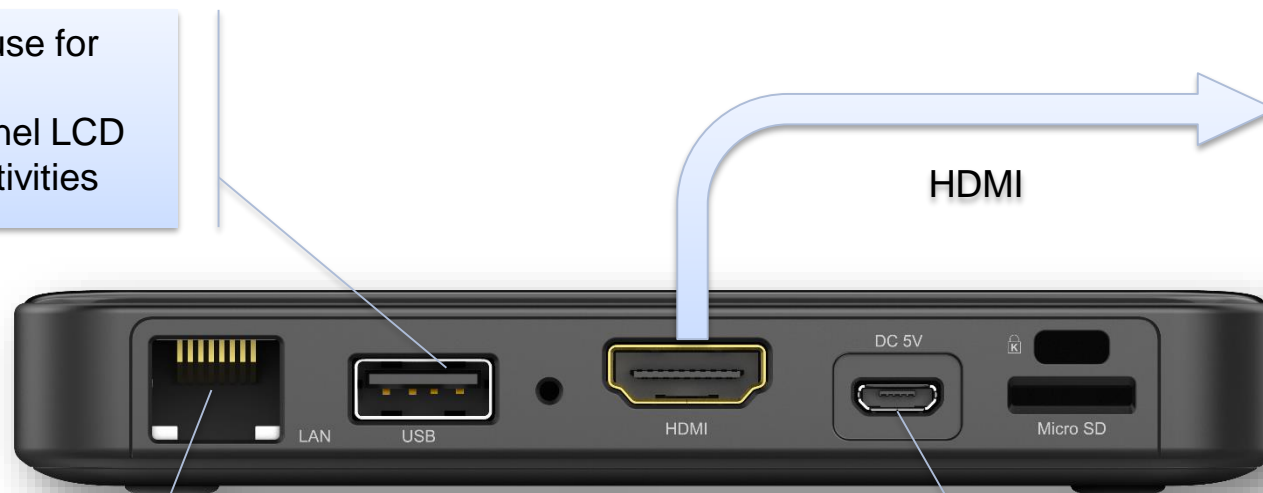
A brand of  DELTA

Outline



Understand the Hardware

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



Projection Display



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

- Please use the enclosed power adaptor in the product package

attention



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
- Hide Session Info
- Hide QR Code
- Configure Slideshow
- Restart



NovoPro

★ Android Mirroring (Miracast) is disabled when WiFi Hotspot is on.

01:49 AM

First Time Using NovoPro?

Internet Download



<http://viviteckcorp.com>



Desktop Streamer

Available on the
App Store

Get it on
Google play

NovoPresenter

Local Download




<http://192.168.43.1:8080>
<http://192.168.29.149:8080>

Desktop Streamer

Classroom-6

PIN **8540** (AirPlay Password)

192.168.43.1
NVC_7306E
Hotspot Mode



Version: v2.3.1.226 | Edition: EDU

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



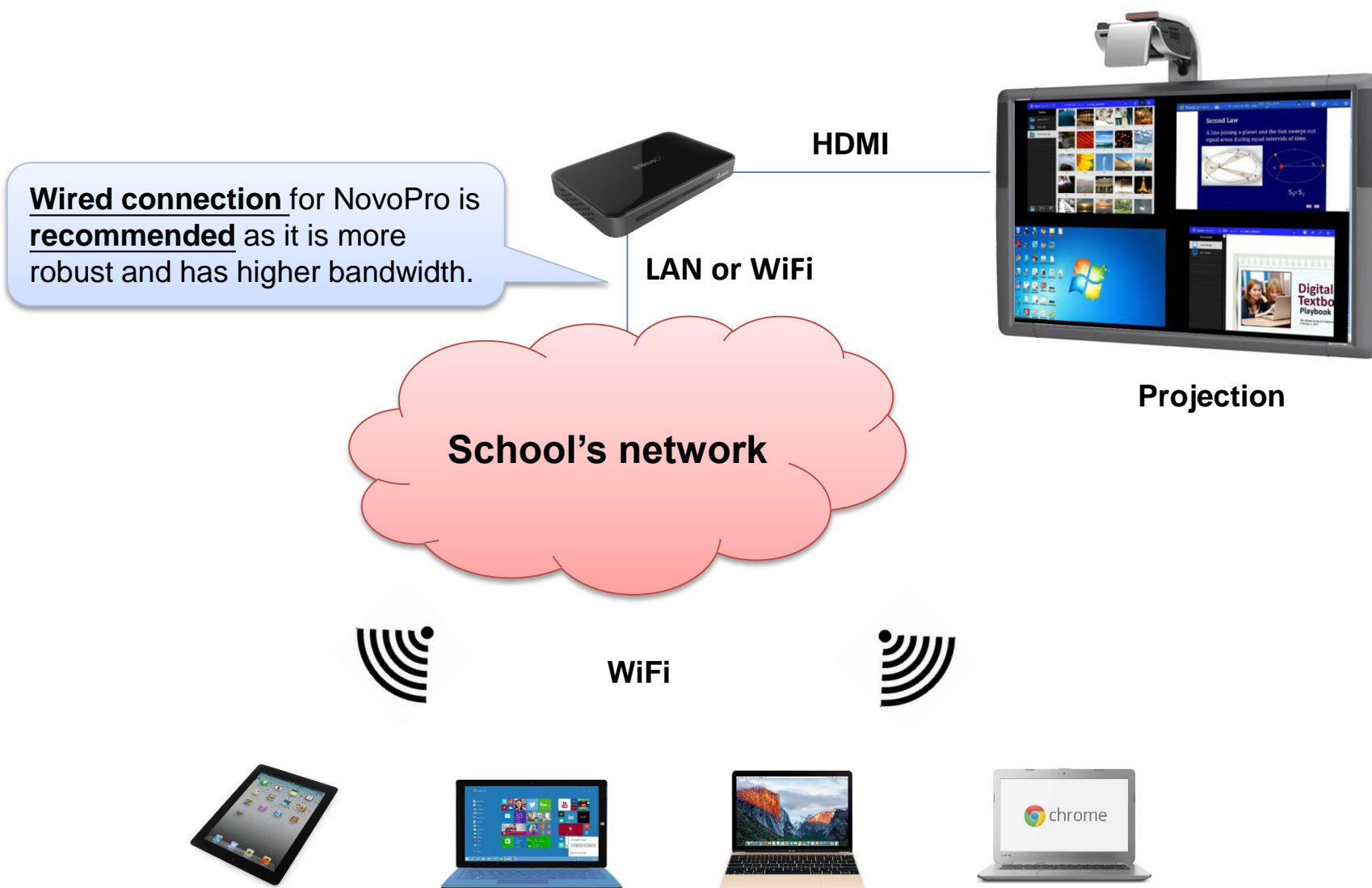
- Only for teachers to present content wirelessly. In this case, connect NovoPro to teachers' network.

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

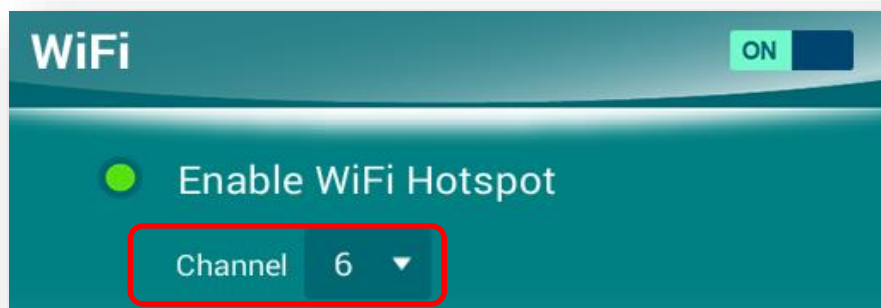
Quick Evaluation

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
- **NovoScreennote:** (Optional) Desktop screen annotation software

| Platform | Applications | | | Available at | Volume Deployment |
|------------------|---|--|---|---|---|
| PC/MAC | Desktop Streamer | NovoScreennote | Remote Manager | NovoPro product website: Http://novopro.vivitekusa.com | 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

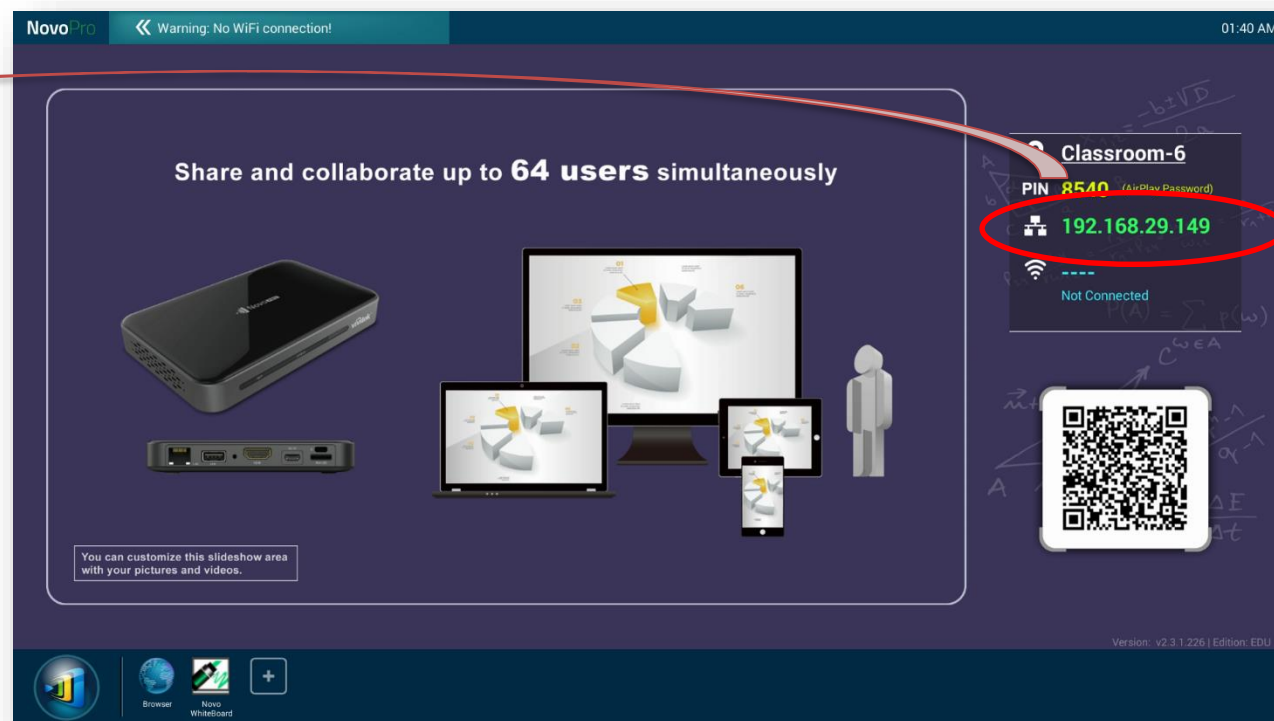
1 IP address (required)

PIN: Not Required

2 Your name

3 Connect

NovoPro Home Screen

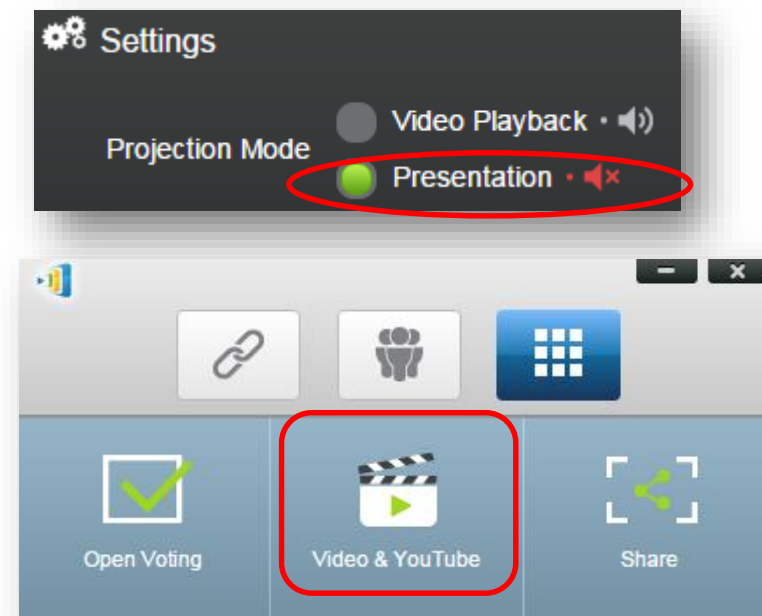


- 1 Key in the NovoPro IP address
- 2 Key in your name
- 3 Click "Connect"

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. A red box highlights the 'Settings' icon (a gear) in the top right of the device list, which is linked by a red arrow to the detailed configuration page for device 'Novo-3FEEA0E34' on the right.

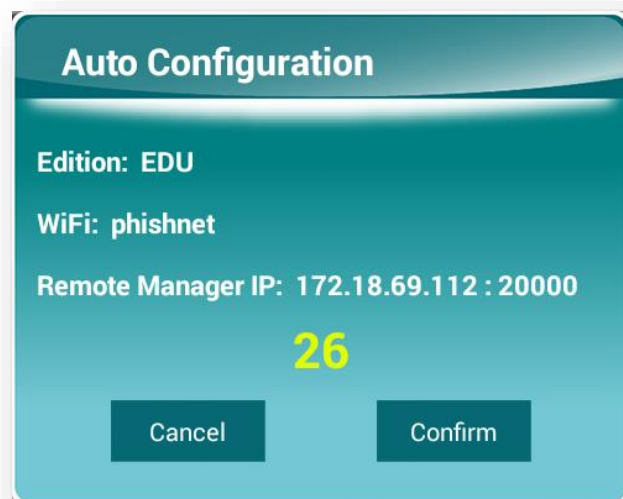
| ID | IP Address | Device Name | Firmware Version | Group | Description | Online Users |
|---------------------|---------------|-------------|------------------|----------------|-------------|--------------|
| Room Explorer | 192.168.2.80 | | | Campus A | | 0 |
| Room Discovery | 192.168.1.6 | | | Campus 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 |

The detailed view for 'Novo-3FEEA0E34 (192.168.1.125)' shows various configuration options:

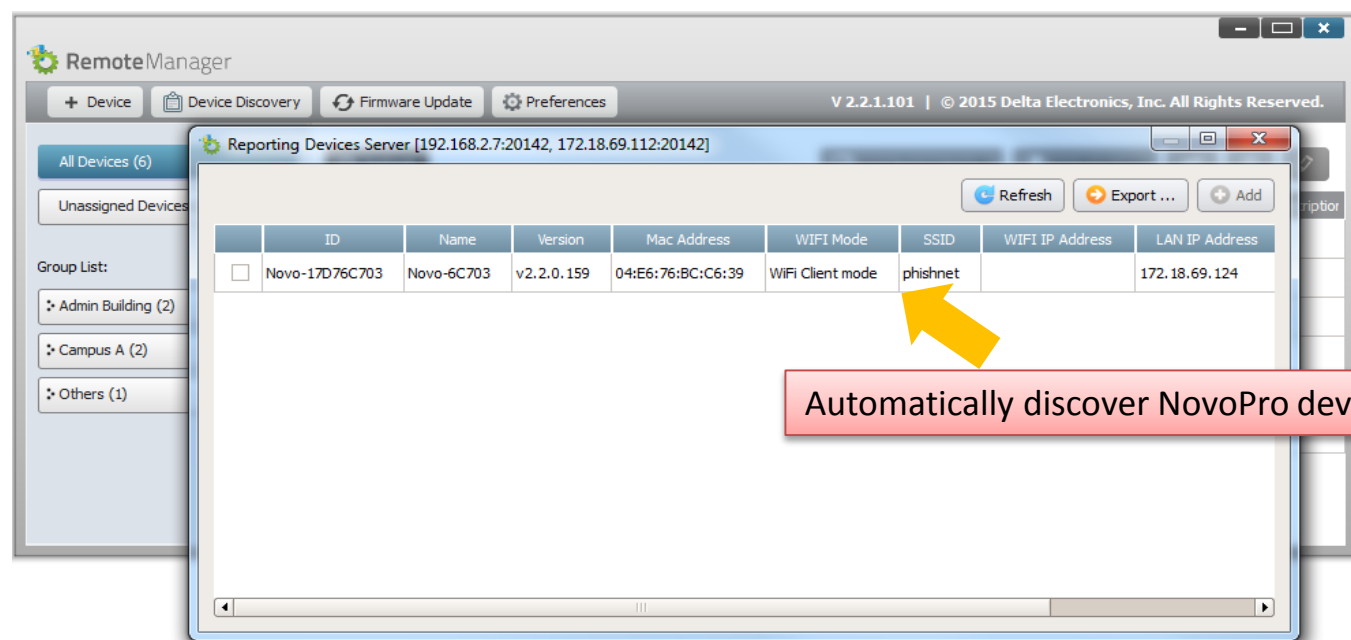
- Device Info:** Device Name (Novo-A0E34), Model (NovoConnect-B380), EDU vs. CORP. (Education), App Version (v2.2.5), Build Version (NovoConnect-B380-0172), Software Edition (PRO-US-CORP-EDU).
- Display:** Display Setting (1920 x 1080 (1080p)), Language (English), HDMI-CEC (unchecked).
- Network:** WiFi Mode (HotSpot), SSID (AndroidAP), WiFi IP (192.168.43.1), LAN IP (192.168.1.125).

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@vivitekc corp.com



Vivid Color, Vivid Life

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