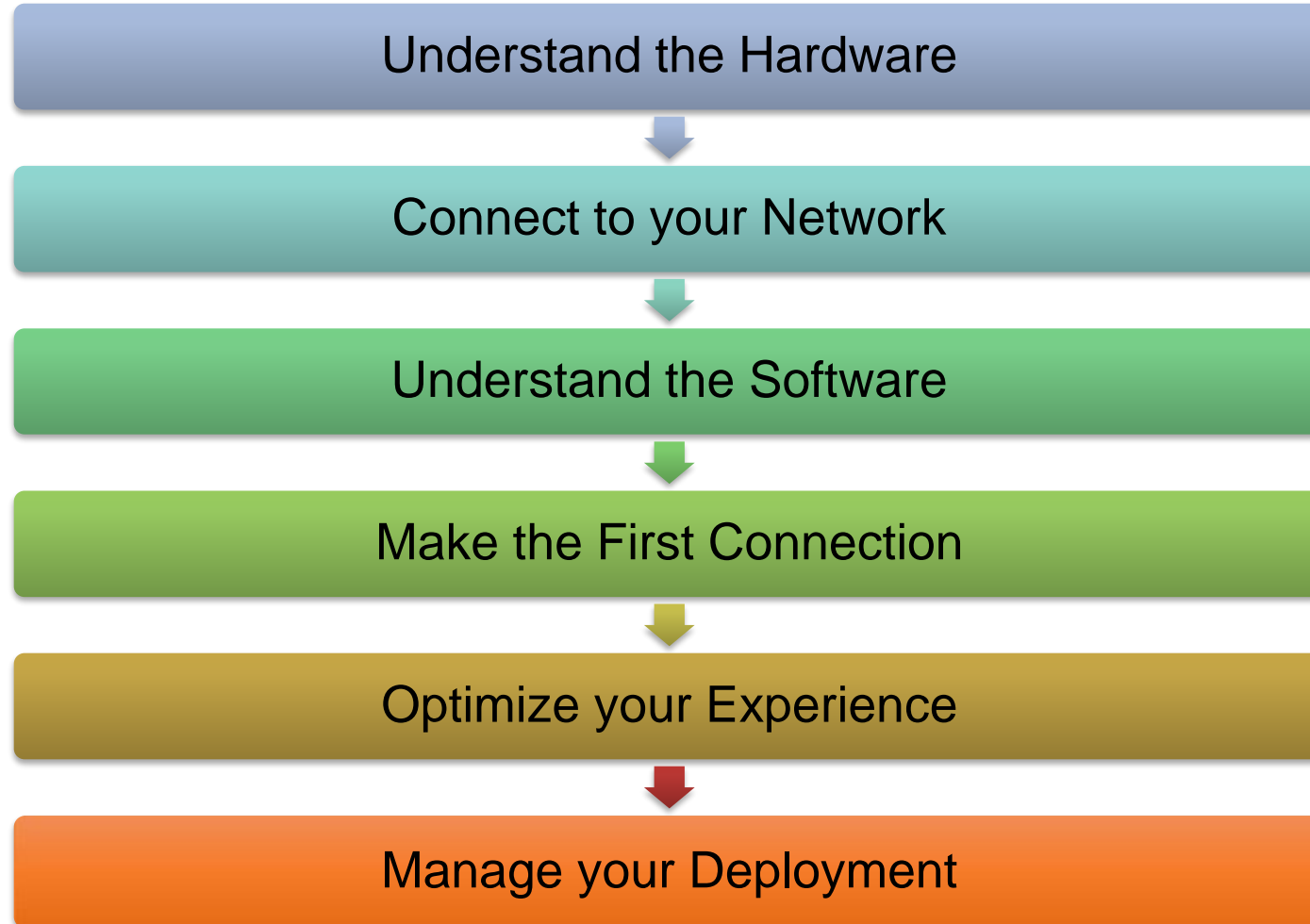




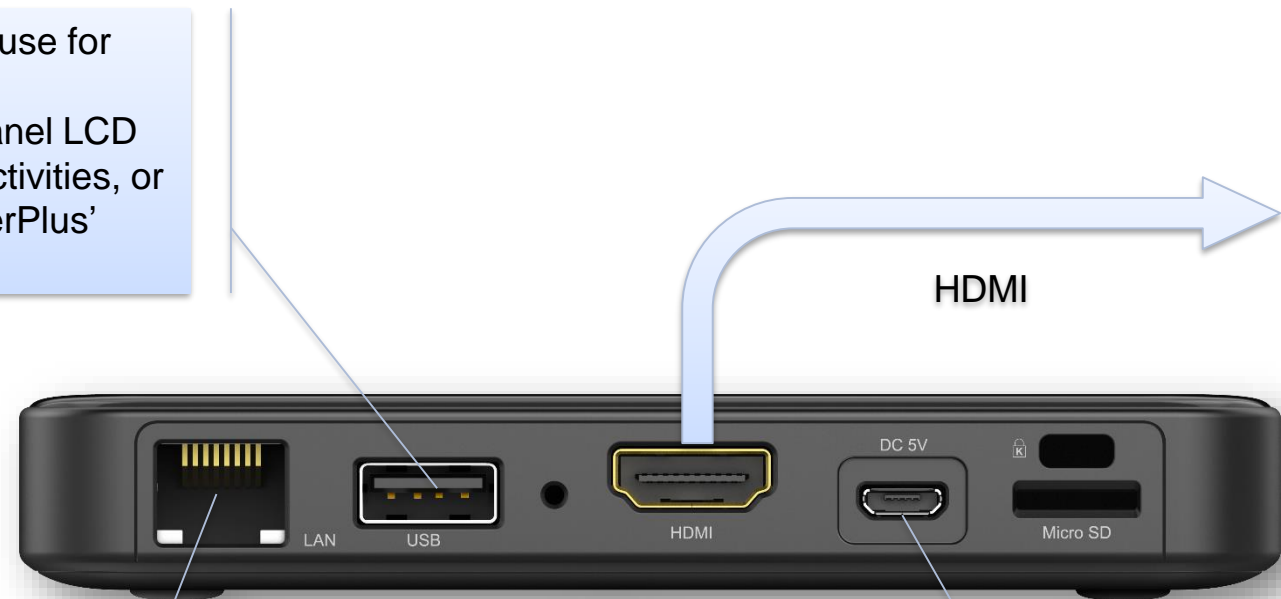
Quick Start Guide For Corporation IT Administrators

Oct. 2017

Outline



- Connect to a USB mouse for configuration, or
- Connect to a touch-panel LCD screen for user interactivities, or
- Used for pair LauncherPlus' with NovoPro



Projection Display

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

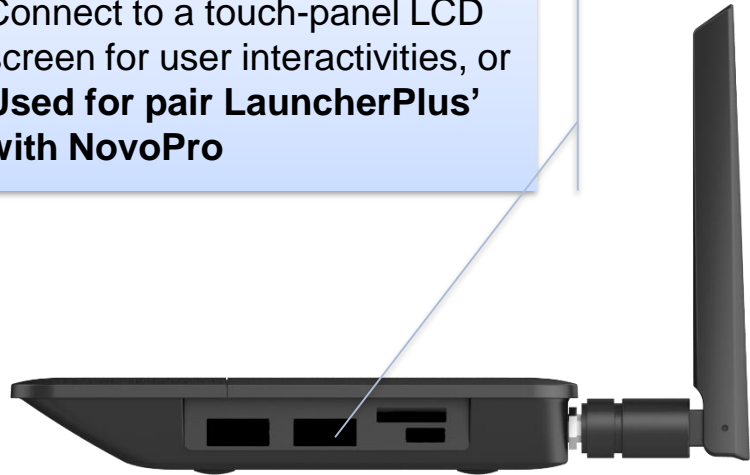


- Please use the enclosed power adaptor in the product package

attention



- Connect to a USB mouse for configuration, or
- Connect to a touch-panel LCD screen for user interactivities, or
- **Used for pair LauncherPlus' with NovoPro**



Projection Display

- Audio Out: connect to external sound systems

- HDMI IN: connect to video sources such as document cameras, DVD players, etc.



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

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

- “WiFi” – Configure WiFi connection

- WiFi
- Display
- Settings
- Device Edition
- About
- Hide Session Info
- Hide QR Code
- Configure Slideshow
- Restart

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

The screenshot shows the NovoPro Home Screen. At the top, there is a status bar with the text "NovoPro" on the left, "★ Android Mirroring (Miracast) is disabled when WiFi Hotspot is on." in the center, and "07:15 PM" on the right. Below the status bar is a large central area titled "First Time Using NovoPro?". This area contains three download options: "Internet Download" with links for Mac and PC to "http://vivitekcorp.com" (Desktop Streamer), "Available on the App Store" and "Get it on Google play" (NovoPresenter), and "Local Download" with links for Mac and PC to "http://192.168.43.1:8080" and "http://172.18.69.181:8080" (Desktop Streamer). To the right of the central area is a "Connection Info" panel for "Novo-6C7C0" showing a PIN of 5594 (AirPlay Password), an IP address of 172.18.69.181, and a WiFi IP address of 192.168.43.1 (Hotspot Mode). Below the connection info is a QR code. At the bottom right of the screen, the version information "Version: v2.3.1.226 | Edition: CORP" is displayed. At the bottom of the screen is a taskbar with icons for "Browser" and "Novo WhiteBoard".

- Connection Info.

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

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

Connect to Your Network

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

Internal Meeting Room Training Room



- Only connect to the Corp's intranet (private network);
- Can support up to 64 participant connections, and can do quad-display.

Executive Brief Room Ball Room



- Can either connect to the Corp's intranet (private network), or use device's WiFi Hotspot;
- LauncherPlus is recommended with no software installation and no network configuration.

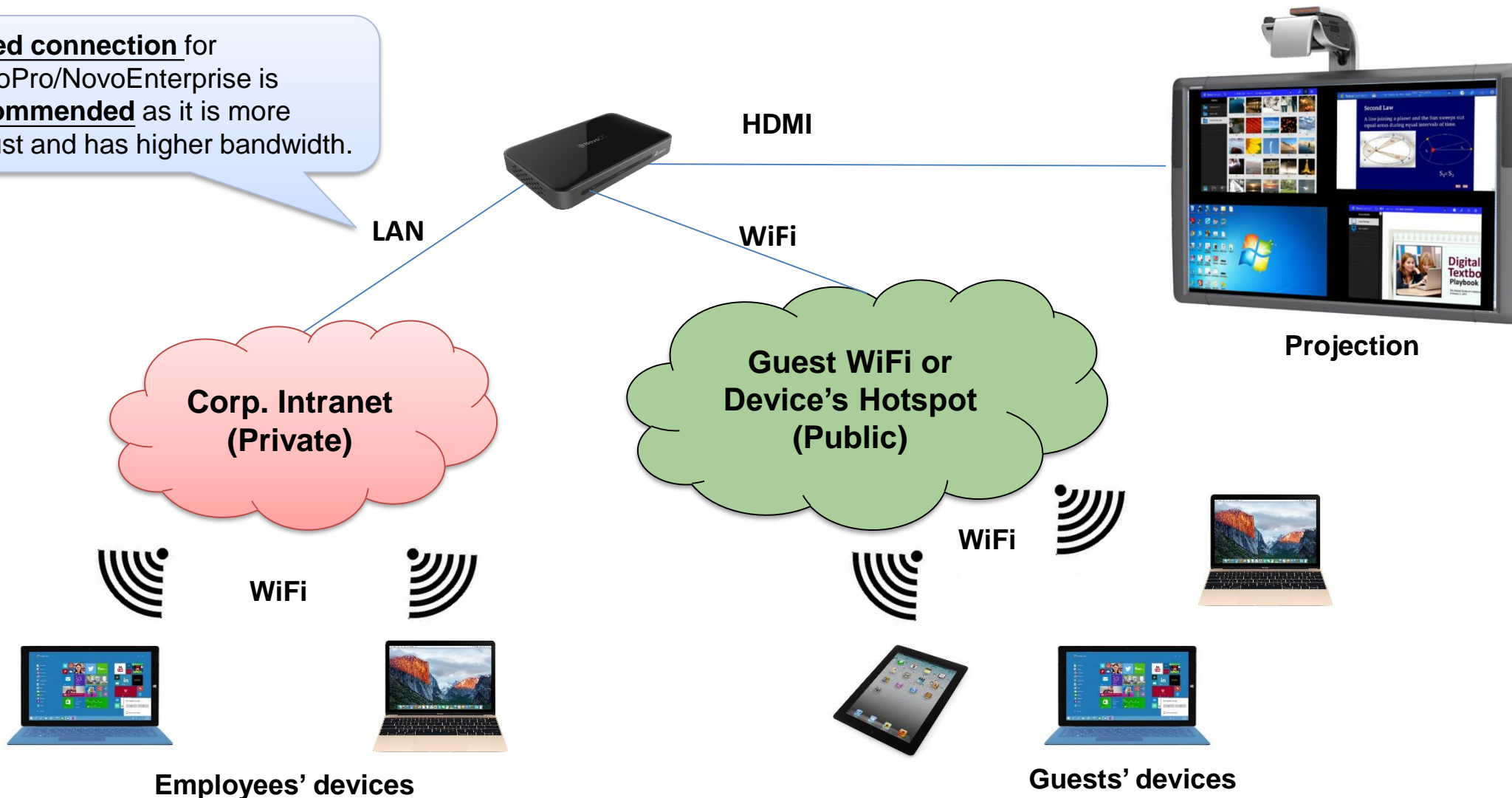
Guest Meeting Room



- Connect to both Corp's intranet (private network) and guest (public) network; Or use the device's WiFi Hotspot for visitors;
- LauncherPlus is recommended with no software installation and no network configuration.

Typical Guest Meeting Room Setup

Wired connection for NovoPro/NovoEnterprise is **recommended** as it is more robust and has higher bandwidth.



Intranet Firewall and Port Numbers

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

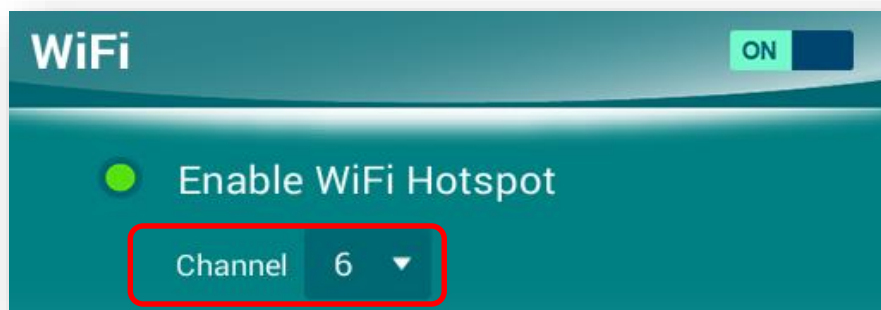
Port Number	Type	Inbound (IN)/ Outbound (OUT)	Description
80	TCP	IN	Port for local Desktop Streamer application download page
443	TCP	OUT	Port for device firmware upgrade or streaming YouTube video (need Internet access)
8080	TCP	IN	Port for local Desktop Streamer application download page
20121	TCP	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)

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: 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**

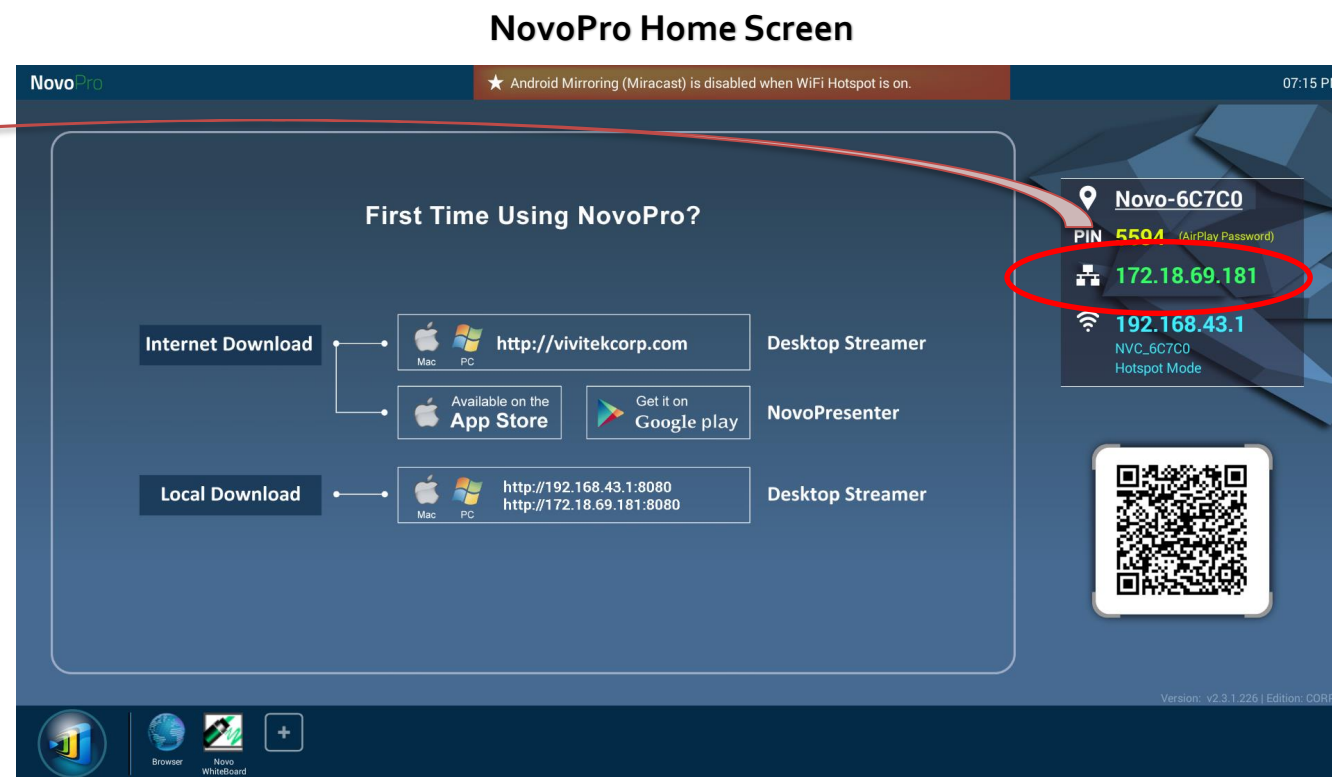
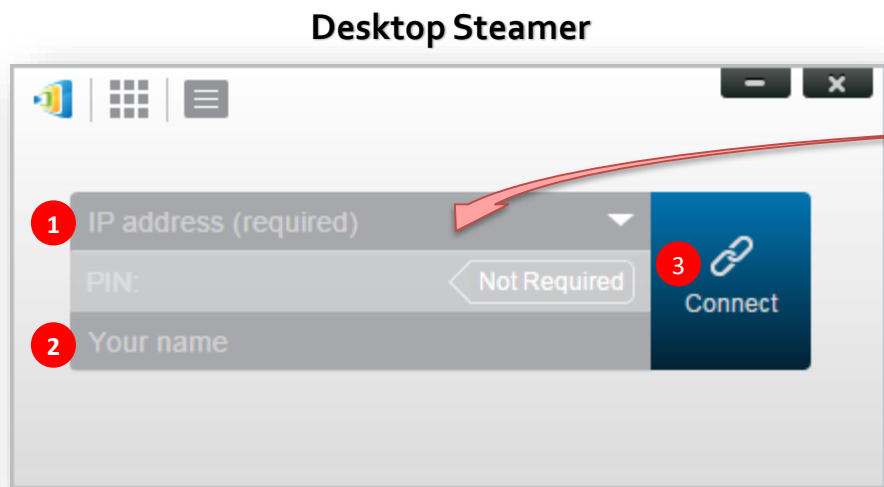
Support AirPlay & Google Cast

- **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.

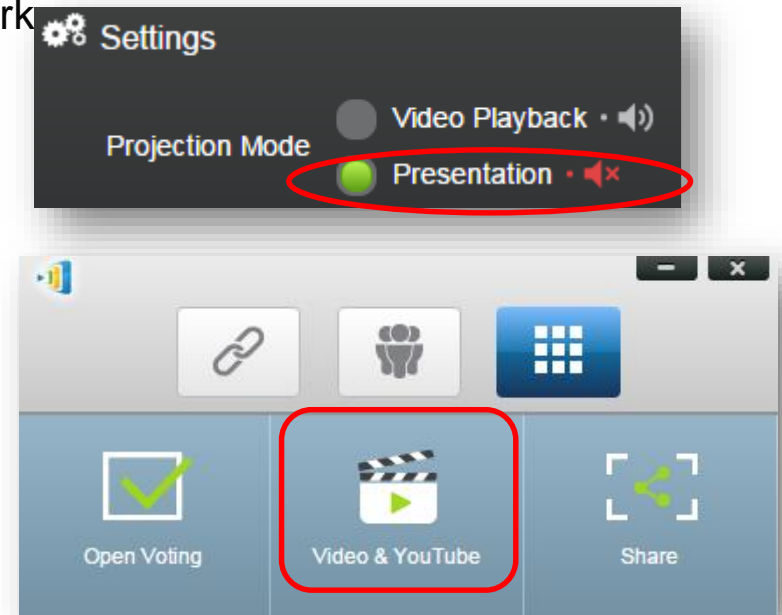
- Use Desktop Streamer software to make the connection.



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

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

- Use wired connection for NovoPro/NovoEnterprise 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



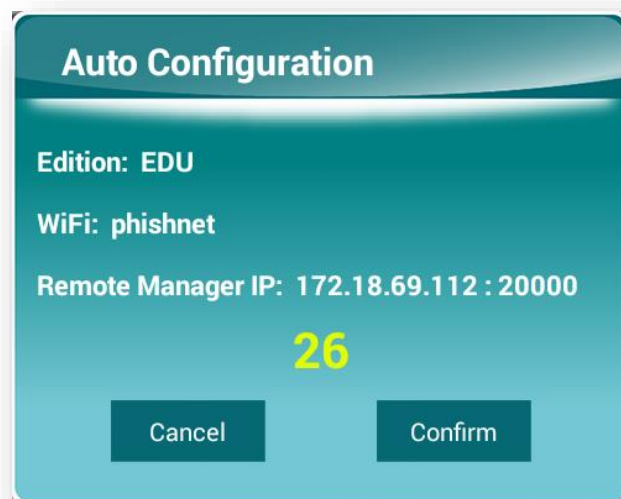
Remote Manager

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

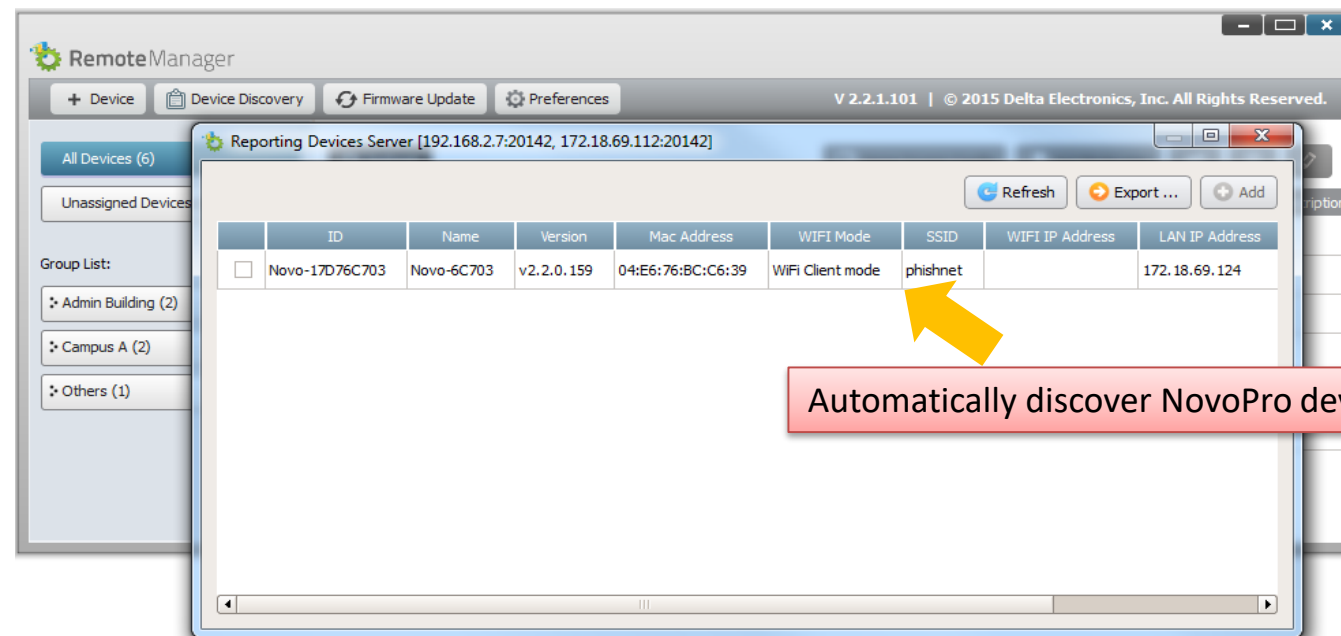
The screenshot displays the Remote Manager web interface. On the left, a sidebar shows a group list with categories: All Devices (7), Unassigned Devices (2), Admin Building (2), Campus A (2), and Others (1). The main area features a table of devices with columns for ID, IP Address, Device Name, Firmware Version, Group, Description, and Online Users. A red circle highlights the settings gear icon in the top right of the table. To the right, a detailed view of device 'Novo-3FEEA0E34 (192.168.1.125)' is shown, including 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

- **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 \(1-855-885-2378\)](tel:1-855-VVK-BEST)
- Email to info.us@vivitekc corp.com