# NovoPro Release Notes

## V2.7.10

March 28, 2024

**Bug Fixes**

- Fixed the issue where ChromeCast stopped working for Chromebooks. (This issue was caused by Chromebook software update.)

## V2.7.9

January 22, 2022

**Bug Fixes**

- Fixed turn off AirPlay and Google Cast failed issue.
- Fixed system time correction failed issue.
- Fixed after screen sharing by Google Cast then turn Wi-Fi off, NovoConnect crash issue.

## V2.7.8

**Enhancement & Changes**

- Added WiFi Driver
- DFS supported
- Upgraded Google Play Store

## V2.7.7

**Bug Fixes**

- Stability and performance improvements

# V2.7.6

## Enhancement & Changes

- Added WiFi Driver

# V2.7.5

The following new features, improvements, and bug fixes are included in this release.

## New Features

- Added WiFi Hotspot IEEE802.11AC (5GHz channels) support
- Added WiFi connectivity Monitor

## Improvements

- Added a reminder to change hotspot channel to 2.4GHz if the hotspot is set to 5GHz during Launcher paring with LauncherPlus (QL300) and LauncherOne (QL340)

## Bug Fixes

- Fixed YouTube not playing issue
- Fixed AirPlay crash issue in MacOS
- Fixed Auto Config WiFi setting issue with Remote Manager

# V2.7.4

## Bug Fixes

- [Device Firmware] Fixed the issue of "showing Google Play services error"

# V2.7.3

## New Features

- [Remote Manager] Allow users to load a firmware package directly to NovoPro devices
- Enable support to new generation of LauncherPlus

**Improvements**

- [Device Firmware] Implement auto-reboot mechanism when mirroring is malfunction.
- [Device Firmware] Improve lip-sync performance. (Latency is increased to 500ms in Video Playback mode.)
- [Device Firmware] Update built-in Desktop Streamer package to the latest version (so that users can have the screen-extension feature with its download from the NovoPro device.)

**Bug Fixes**

- Fixed "AirPlay stops working in some large-scale deployment" in previous releases (V2.7.0, V2.7.1, V2.7.2)

# V2.7.2

**New Features**

- [Desktop Streamer] – Extended Desktop Feature for Windows 10 (Extended Desktop driver installation required)
- [Remote Manager] – Add version control mechanism for both Remote Manager and DB Server
- [Remote Manager] – Add "System Busy" mechanism when multiple devices synchronously access the DB Server
- [Remote Manager] – Add UI protection to DB Server to avoid database resource contention

**Improvements**

- With Settings Lock enabled, user can no longer access the Android Home Menu

- Improve image quality and overall video performance
- [Desktop Streamer] — Redesigned Login Page
- [Remote Manager] — Increase response speed for "Import" function in "General => Manage Device List" of DB Server

**Bug Fixes**

- Fixed Internal Log Issue

# V2.7.0

**New Features**

- Education Edition added new "Moderator" rule where Initial users could be connected as either the moderator or a normal user
- NovoUpgrade now supports Local Upgrade
- LauncherOne and LauncherPlus for Ubuntu Support
- Added LauncherOne and LauncherPlus Ubuntu Download Instructions and Links on the Download Page
- Routing Table Configuration Support
- NTP Server Configuration Support
- NovoPresenter for Android now supports external SD Card/USB Storage

**Improvements**

- Changed from Software Decoding to Hardware Decoding to improve AirPlay and Google Cast performance
- Launcher Pairing in Hotspot Mode with Password protection can now successfully pair
- When NovoPro is on Standby, any attempt to connect to the NovoPro will turn on the device

**Bug Fixes**

- Fixed HDMI Out Audio Noise
- Fixed issue where Enable Google Cast/ Enable Airplay/ Enable Airplay Password would automatically be checked

after a reset regardless of the previous setting
- Fixed issue where with password protection set, user selecting to firmware upgrade from Remote Manager would see a Password prompt from the NovoUpgrade app

**Known issues**

- USB Camera Noise Issue

# V2.6.1

**New Features**

- microSD Auto-Config – Time-Zone Configuration
- Launcher Pairing – LauncherOne Support
- [Remote Manager] Device Sleep Timer Configuration
- [Remote Manager] Slideshow Area in Device Home Screen – Full Screen On/Off Control
- [Remote Manager] Log Download

**Improvements**

- Language Support on Device – Added Simplified Chinese
- Updated Google Play Service to Version 12.2.21
- Updated YouTube to Version 13.09.57 and now supports highest resolution of 1080p (previous version was 720p)
- Changed default Wi-Fi hotspot channel to 8 from 6

**Bug Fixes**

- Fixed the issue when upgrading via Ethernet with Wi-Fi off, NovoPro restarts with Wi-Fi turned on
- Fixed the issue when the upgrade package is larger than 500MB, the NovoPro would keep cycling thru the upgrade process

**Known issues**

- When playing 720p/1080p 30fps video from iPhone 6/7 (internal storage) via Airplay2, AV sync issues will

occur after around 10 seconds

# V2.6.0

**New Features**

- Quadview Dynamic screen layout – Screen layout is configured automatically in Quad-View display including both AirPlay and GoogleCast
- Enhanced security for CORP edition from AES-128 to AES-256
- LauncherPlus Lite software – Improved usability and performance (reduced package size for speedy download)
- Eco standby mode by sleep timer configuration

**Improvements**

- Full On-screen mirroring via NovoPresenter on Android devices (for Android 5.0 and above)
- Video mirroring – Improved smoothness by optimizing streaming protocol
- Mouse cursor mirroring – Improved responsiveness by optimizing communication protocol
- AirNote – Re-designed UI flow, including on-off control, displaying current AirNote user, user designation, etc.
- NovoPro Home-screen – Slideshow area can now be scaled to full screen
- LauncherPlus pairing – Eliminated the need to enter Wi-Fi password
- microSD auto-config – Added 802.1x support

**Bug Fixes**

- AirPlay mirroring now available on both Wi-Fi and Ethernet connections
- Stability and performance improvements

**Known issues**

- NovoPresenter for iPhone-X may not work reliably.

# V2.4.3

**Improvements**

- Audio noise bug – Audio output via HDMI has low level of white noise.
- NTP (Network Time Protocol) bug – Date and time on NovoPro may be set to 2012/3/29 automatically when NTP server is deployed in customer's network environment.
- AirPlay random failure at first-time connection – Users may not be able to connect AirPlay successfully the very first time NovoPro is powered up with a new firmware.

# V2.4.2

**New Features**

- New Whiteboard icon and now support 12 different background colors

**Improvements**

- NovoPresenter App – support Microsoft OneDrvieImprove Google Cast stability. Users can share audio/ video content from a Chromebook or Android device via this improved Google Cast feature
- Add configuration options
    - Enable/disable AirPlay password
    - Option to make PIN code mandatory
- Dynamically adjust frame-rates in quad-view projection:
    - 2-screen mirroring – 12 fps
    - 3-screen mirroring – 8 fps
    - 4-screen mirroring – 6 fps;
    - NovoPresenter App – support Microsoft OneDrive

**Bug Fixes**

- Fixed various stability issues, including "screen-turning-black" and slow or non-responsiveness on the device;
- Fixed the issue of "AirPlay or Google Cast becoming un-discoverable by user devices" in various usage scenarios

**Known issues**

- Connecting Airplay may take up to 2 minutes after changing WiFi configuration.
- The length of 802.1x password must be 8 or above.

# V2.4.0

**New Features**

- Support Google Cast
- Google Cast and MiraCast Screen Setup. Default to Google Cast
- Click QR Code to Display Session Info
- PIN Code Settings
- Add Overlay "Home/Go Back" Button
- Allow to Cancel Snapshot to Presenter or all
- LauncherPlus supports WiFi connection with WEP encryption method.
- NovoPresenter App Supports MS One-Drive
- LauncherPlus supports WiFi connection via WEP encryption method

**Improvements**

- NovoPro integrates software decoder to optimize 4-in-1 display quality
- Optimize LauncherPlus operation and UI
- NovoPro New download page
- Refine frame rate of Desktop Streamer Application mirroring
- Refine presentation mode icons

- Display WiFi MAC address at the About page in NovoPRO
- Simplify Launcher & LauncherPlus light display
- Optimize Remote Manager software operation and UI
    - Sort the device list when creating a new group
    - Edit setting while viewing a group
    - Display MAC address of the device
    - Itemize and display online/offline statics

**Bug Fixes**

- Improve the stability of the device operation
- Resolve security risk – finger swiping from top will bring up "top status bar"
- Resolve Launcher plus no response issue once a system (with Launcher Plus connected) resumes from hibernation state.

# V2.3.1

**New Features**

- NovoPro to be compatible with LauncherPlus
- New Home Screen
- NovoPro & LauncherPlus Pairing

**Improvements**

- Refine the on-screen annotation
- Refine NovoPresenter gallery display

**Bug Fixes**

- AirReveiver might crash during pictures transition
- Minor bugs fix