

P300 NEO Smart Mini Projector



User Guide

Caution! **(**

WARNING: Please use this product as instructed. Misuse may cause injury or death.

DO NOT use while driving.

DO NOT expose to water or wet surfaces. Electric shock may occur.

DO NOT expose the projected LED image to your eyes or the eyes of others.

DO NOT block or restrict airflow from ventilation holes as this may cause the projector to overheat.





Keep the projector and charger away from any heat sources.

Caution for Headphone Use

- Prolonged use at high volume may impair your hearing.
- High volume during walking or driving may cause distractions and result in injury or death.







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P300 Neo-S at a Glance

Chapter 1

Main Unit Front/Back





Remote & Touchpad



Remote

NOTE: Pressing power on the remote while it is on will put your projector in standby mode. In order to fully turn the projector off, the On/Off switch must be in the "Off" position.

Remote & Touchpad Cont.



The P300 Neo-S incorporates a capacitive touchpad directly onto the top of the projector. This touchpad works in conjunction with a pointer and allows users to select icons, APKs, and scroll through the menu system. The touchpad can be used in conjunction with the "Back" and "Volume" buttons below the touchpad.

Please note that the P300 Neo-S allows for 2-finger scrolling. In order to scroll up, use 2 fingers on the touchpad and swipe up. In order to scrool down, use 2 fingers on the touchpad and swipe down.

The P300 Neo-S allows 2-finger touch as a substitute for the "Back" button.

Accessories





A/V Cable







Remote

Additional accessories are available for purchase at www.aaxatech.com

^{*}Under various circumstances, the actual accessories may be different from those shown in the pictures above.

Getting Started

Chapter 2

Plugging In the projector

 The P300 Neo-S needs to be plugged in and charged for four to five hours before operation. Please ensure the On/Off switch is in the "Off" position during this time

Powering ON the projector

- Connect the power cord to the P300 Neo-S.
- Connect the other end of the power cord into the wall power source.
- 3. Move the On/Off swtich to the "On" position. Your projector should start up.

Powering OFF the projector

 To turn off the projector, use the power button on the remote or the On/Off switch. Using the On/Off switch will fully turn off the projector.

Connecting to WiFi

1. View page 8 for details.

Connecting to a Bluetooth Device

1. View page 10 for details.

Focus Adjustment / Throw Distance

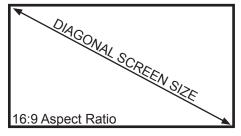
Focus Adjustment

 Spin the focus wheel left or right until the image becomes clear.



Throw Distance Chart

Throw Distance	Diagonal Size
Unit: Inches	Unit: Inches
20	13
30	20
40	27
50	33
60	40
70	47
80	53
90	60



Throw Ratio 1.5

^{*}minimum throw distance: 15 inches

Navigating the Main Menu

Main Menu

The Main Menu allows access to all the features of the P300 Neo Smart Projector.



Inputs

Digital Input- Brings up connection via Digital Input VGA - Brings up connectiong via VGA Video-RCA - Brings up connection via A/V

Main Menu Features

- Videos View videos from external devices such as TF card and USB
- Photos View photos from external devices such as TF card and USB
- Browser Brings up a browser
 - Streaming Brings up Youtube, Netflix, Hulu, Twitch, HBO Go and Amazon Prime Video
- Apps Brings up all apps that are already preinstalled or downloaded
- Mirroring Bring up app to mirror your phone screen on the projector screen
- Settings Brings up Application Manager, Network Settings, Bluetooth Settings, Language Settings, Backup&Reset, Projector Settings, etc
- Office View files from external devices such as TF card and USB

Connecting to WiFi

Connecting to WiFi:

Select the "Settings" icon (Fig. 2.1).

Fig. 2.1

- Select the "Network Settings" option and navigate to your WiFi network and click on it to connect.
- A window will appear and ask for a password, please type it in. When finished, press "Connect" and the projector will connect to your WiFi (Fig. 2.2).

Process Video Court National N

Fig. 2.2



Please see next page for steps to establish to a WiFi connection.

Connecting to WiFi FAQ

Connecting to WiFi:

The P300 Neo-S features a WiFi chipset capable of 802.11 b/g/n connection. This means it is compatible with most WiFi routers. To connect to a WiFi router, follow the following steps:

- Step 1: Access the Network Settings Submenu: Settings -> Network Settings
- Step 2: Turn WiFi radio to "On" by highlighting and toggling the WiFi Button under WiFi settings
- Step 3: Select the appropriate Router
- Step 4: Enter the router password in the password selection (by pressing "OK"). It is recommended that the automatic IP address acquisition be turned on

Troubleshooting

- 1. Unable to connect
 - a. Check Security Settings WPA/WPA2 PSK
 - b. Check if Router is in range

Connecting to a Bluetooth Device

Connecting to Bluetooth:

- Select the "Settings" icon (Fig. 2.8).
- Select the "Bluetooth Settings" option and navigate to your Bluetooth Device and click on it to connect (Fig. 2.9).
- The projector features a Bluetooth radio. The Bluetooth radio is designed to connect Bluetooth enabled device, typically a Bluetooth mouse or speaker. The projector supports one Bluetooth device at a time.

Fig. 2.8



Fig. 2.9



Please see next page for steps to connect to a Bluetooth device

Bluetooth Speaker or Mouse

To connect a Bluetooth Speaker or Mouse

Step 1: Access the Bluetooth Menu (Settings → Bluetooth)

Step 2: Turn on Bluetooth functionality

Step 3: Turn on your Bluetooth device and enable discovery. This varies with each device. Some devices require the power switch to be turned "ON". Other devices have a Bluetooth icon that is pressed to make the device "discoverable"

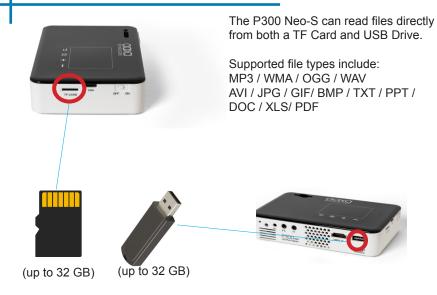
Step 4: If your device does not pop up automatically, click on the three vertical dots at the top of the page and click "Refresh"

Step 5: Highlight your device and click "OK" to connect. Your device should show "connecting." If a PIN is asked, try 0000 or 1234 – these are the standard PIN codes. If this does not work, check with your device manufacturer for the PIN

Troubleshooting

- Disconnecting. It takes 10-15 seconds for a BT device to connect or disconnect from the system. Failure to wait for this time could result in an improper connection. Check to ensure device is connected in the BT submenu.
- If the Bluetooth device does not automatically reconnect please go to the Bluetooth settings and press on the device to reconnect to it.
- If the device still does not reconnect please press on the icon on the right of the device's name to unpair the device and pair it again.

Loading External Content



Loading External Content Cont.

How to insert your TF Card

- Slide in your TF card into the TF card slot on the side of the P300 Neo-S (as shown in picture).
- Gently slide the TF card until it clicks into place.



Loading External Content Cont.

How to insert your USB Drive

- Slide your USB Drive into the USB port.
- Gently slide the drive until it cannot go in any further.



Loading External Content Cont.

Once your TF Card or USB Drive is inserted into the projector, the TF Card or USB Drive Storage will be loaded automatically and the content can be found through:

Photos & Videos Menu

 Videos and Photos can be played by clicking "Photos & Video" on the Main Menu.

Files Menu

All files can be shown by clicking "Files" on the Main Menu.

Office Menu

 .pdf, .docx, .xls, .ppt, .txt can be shown by clicking "Office" on the Main Menu.

Menu Screens

Chapter 3

Video Menu

- To view videos, access the content via the "Photos & Videos" icon or the "Files" icon (Fig 3.1).
- All sources will be displayed. Select the source and choose the video you want to view (Fig 3.2).



Fig. 3.1



Fig. 3.2

Video Submenu

While Playing Videos

While playing videos the volume is adjustable. To adjust volume, press the volume buttons on the remote or projector.

Further controls are available in the Video Player Submenu - which is accessed through the "OK" button.

Please note, further controls only show up when viewing the video through VLC.



 To open/hide the video playback menu, use the "OK" Buttons on the remote.

The Video Submenu allows the following functions

- i. Lock No other video options will be present when the video is locked
- ii Subtitles
- iii. Play/Pause
- iii. Additional options (see next page for details)
- iv. Go Back
 - Screen control



Video Submenu Cont.

More functions can be accessed by clicking the 3-horizontal points or by pressing the "Up" arrow on your remote control

- i. Sleep Timer
- ii. Playback Speed
- iii. Jump to Time
- iv. Equalizer
- v. Play as Audio
- vi. Subtitle Delay / Audio Delay
- vii. Repeat Mode
- viii. Digital Audio Output (Passthrough)



Video Submenu Cont.

How do I loop a video?

- On the "Submenu," click the 3-horizontal points to access more functions.
- 2. Click the bottom left icon and select "Repeat All" or "Repeat 1"
- 3. To repeat a specific video, select "Repeat One."
- 4. To repeat all videos, select "Repeat All "



Options Menu

How do I turn on the subtitles (if available)?

- On the "Submenu," click the icon to the left of the "Play" icon.
- Select "Subtitles" if the subtitles are hardcoded into video.
- If using a seperate subtitle file, click
 "Select subtitle file" first and choose the
 external selection



Subtitle Menu

^{*}After the entire list has played, the projector will automatically go back to the video list.

Photos Menu



Fig. 3.3



Fig. 3.4

- To view pictures, access the content via the "Photos & Videos" icon or the "Files" icon (Fig 3.3).
- All albums from internal and external storage will be displayed (Fig 3.4).
- Select the album and choose the picture you want to view (Fig 3.5).



Fig. 3.5

Photo Menu Cont.

- To access to the previous photo, use the "Top" or "Left" arrow keys on the remote.
- To access to the next photo, use the "Bottom" or "Right" arrow keys on the remote.
- Double tap the touchpad once or use two fingers and slide down on the touchpad to zoom in on the picture. Double tap the touchpad again or use two fingers and slide up on the touchpad to return the picture to its original size.



Connecting to a Device via Digital Input

First, a digital input cable is required from your P300 Neo-S to your other device.

In the Main Menu



Select the "Inputs" Icon



Then select the "Digital Video" Icon

Connectivity to Multimedia Devices

The P300 Neo-S can connect to many media devices including: computers, laptops, iPhones, iPads, DVD players, smart phones, cameras, video game consoles and other peripherals with ease.

^{*}Some smartphones require video out capabilities to be displayed with the P300 Neo-S. Check with your phone manufacturer.

Connecting to Digital Input Video Devices

Step 1:

Connect one end of the Digital Input Cable to your device's Digital Input port. .





Step 2:

Connect the other end of the Digital Input Cable to your P300 Neo's Digital Input port.





Step 3:

In the Main Menu, select the "Digital Video" Icon. Your P300 Neo-S should now be mirroring the content from your device.

Note:

If you're connecting to a computer or laptop and the projector does not automatically mirror it, read onto the next page for more information.

Connecting to a Computer via Digital Input

Step 4:

After connecting your projector to your computer or laptop via a digital input cable, you may need to enabe Digital Video output on your computer. To enable Digital Video output on your computer most computers require "turning on" the video output feature. Each computer is different. Please consult your owner's manual for instructions to enable Digital Video output. Below are standard instructions for a Windows 10 computer – not all systems are the same.

Step 5:



Press Windows+P to toggle through display settings. Select either "Duplicate" or "Extend" depending on your viewing option.

*NOTE: Different operating systems may differ

Step 6:

Scale and layout	
Change the size of text, apps, and o	ther items
100% (Recommended)	~
Custom scaling	
Resolution	
1920 × 1080	~
Orientation	
Landscape	~
Multiple displays	
Multiple displays	
Duplicate these displays	~

- Right click on computer desktop and select "Screen Resolution"
- Display Properties window will pop up and select the Advance Display Settings.
- 3. Please make sure the "Multiple displays" has the "Duplicate these displays" option selected and the Resolution is 1920 x 1080 or below as pictured in the red box.
- 4. If the image is blurry or the text is not legible, adjust the screen resolution.

Connecting to a Computer via VGA

First, a VGA adapter cable is required from your P300 Neo-S to your computer. This can be purchased on the AAXA website at www.aaxatech.com

Step 1:

Connect one end of the VGA adapter cable to your computer's VGA port.



Connect the other end of the VGA adapter cable to your P300 Neo's VGA port.





Step 3:

In the Main Menu select the "Inputs" icon and then the VGA icon.



Select the "Inputs" Icon



Connecting to a Computer via VGA Cont.

Step 4:

Enabling VGA output on your Computer – To enable VGA output on your computer most computers require "turning on" the video output feature. Each computer is different. Please consult your owner's manual for instructions to enable VGA output. Below are standard instructions for a Windows 10 computer – not all systems are the same.

Step 5:



Press Windows+P to toggle through display settings. Select either "Duplicate" or "Extend" depending on your viewing option.

*NOTE: different operating systems may differ

Step 6:

- Right click on computer desktop and select "Screen Resolution"
- 2. Display Properties window will pop up and select the Advance Display Settings
- 3. Please make sure the Multiple displays has the "Duplicate these displays" option selected and the Resolution is 1920 x 1080 or below as pictured in the red box.
- If the image is blurry or the text is not legible, adjust the screen resolution.

Connecting to Composite Video

Step 1:

Connect the 3.5mm Composite A/V Cable to the side of the P300 Neo-S



Step 2:

Connect the composite end of the AV Cable (Red, White, Yellow) to your own male AV cable.





Connecting to Composite Video Cont.

Step 3:

In the Main Menu



Select the "Video-RCA" Icon

Step 4:

Turn on your multimedia device.

Browser

Browser

- To access any website, select "Browser" from the Main Menu.
- · Put the address you would like to access by using the touchpad



Main Menu Screen

Streaming Applications

Streaming Application

- To access Streaming Applications, select "Streaming Apps" from the Main Menu.
- The P300 Neo-S enables video streaming from selected applications.



NETFLIX
Netfla

HBO
GO
Notice
Notice

Main Menu Screen

Streaming Screen

 Streaming applications are accessible after a WiFi internet connection is established. Most applications require a log-in account.

Streaming Applications Cont.

Troubleshooting

Application Hangs or Freezes

- Try clearing the cache (see Settings -> Storage)
- Click on "Cached data" and then select "OK" when prompted.

Update Required

 If an update is required, you may be able to obtain through the Google Play Store found in the "Apps"

Poor Video Playback

Possible Causes:

Poor WiFi Connection

Too many open applications

More than one Bluetooth device connected

Apps

All apps can be found and accessed under "Apps" from the Main Menu.

Open an app:

- Select the "Apps" icon (Fig. 2.10).
- The application will open allowing you to select an app you would like to open (Fig. 2.11).

Fig. 2.10



Fig. 2.11



Smartphone Mirroring

The P300 Neo-S employs a "HappyCast" smartphone mirroring system that is compatible with both Apple Airplay as well as Android systems.

Mirroring with an iPhone or iPad:

- Select the "Mirroring" icon (Fig. 2.12).
- The application will open allowing you to activate Airplay on your iPhone or iPad (Fig. 2.13).

Fig. 2.12



iPhone Smartphone Mirroring



Projector

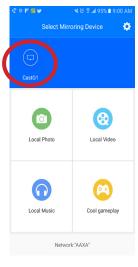
- After the HappyCast App is open on the projector, you can go to your iPhone or iPad
- If the HappyCast App prompts you to update, we recommend updating the application before proceeding.

Turning on Airplay

- Swipe up on your iPhone or iPad to access the Control Center, as shown to the left
- Select "Sceen Mirroring" and it will show you the HappyCast connection.
 Select it and your device should now be mirrored on the projector.

^{*} Both Projector and Apple devices must use the same WiFi connection.

Android Smartphone Mirroring



Downloading HappyCast App

- Please vist this URL: http://www.aaxatech.com/happycast.apk on your Android phone to download HappyCast.
- After installing the apk on the phone, open the HappyCast App and connect to the projector's HappyCast connection.

Projector

 If the HappyCast App prompts you to update, we recommend updating the application before proceeding.

^{*} Both Projector and Android smartphone must use the same WiFi connection.

Office Menu

Microsoft Office and Adobe PDF Documents

- Microsoft Office and Adobe PDF Documents can be viewed with the document viewer application.
- To access the document viewer, select "Office" from the Main Menu.



Main Menu Screen

Viewing Office Documents Cont.

Choosing Documents to View

 In the Office application, select "Open" or "Cloud Storage" to view the files you wish to see.



Office Main Menu

Office Viewer Application

- Documents from the TF Card and USB Drive can be viewed.
 - Documents from Dropbox with accounts connected may be viewed.
- Supported file formats include *.DOC, *.XLS, *.PPT. *.PDF.

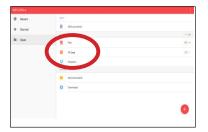
Some file versions may not be compatible and file names must be alphanumeric only.

Viewing Office Documents Cont.

Step 1: Open "Office"



Step 2: Select Source



Viewing Office Documents Cont.

Step 3:

Highlight the Office File and click "OK"



Step 4:

The file should display automatically

Note: For a more comprehensive user guide please visit our FAQ section or search online for Kingsoft WPS Office Viewer user guide



Need help with the document viewer? Please e-mail us at pro_support@aaxatech.com

Settings Menu

Chapter 4

The Settings Menu can be accessed by selecting "Settings" on the Main Menu



Within the Settings Menu, there are eight submenus that allow you to customize your P300 Neo-S.



•Brightness Settings
•WiFi Settings
•Advanced Settings
•Languange Settings
•Display Settings
•Bluetooth (BT) Settings
•Backup & Reset
•About

Brightness Settings

Brightness Settings

There are 3 different power modes for the P300 Neo Smart Projector:

- ECO: A battery saving mode that reduces picture brughtness. This will provide a 90 minute battery runtime.
- Standard: A normal mode. Only available while plugged in.
- Boost: The brightest mode. Only available while plugged in.



Brightness Settings

WiFi Settings

Network Settings

- Please see Connecting to WiFi section on Page 8
- Click the 3 vertical points on the top-right corner and choose from "Add network," "Saved networks," "Refresh," and "Advanced" to adjust WiFi settings

Within "Advanced"

- Network Notification- Choose whether to notify when a public internet is available
- Scanning always available Choose whether to scan for networks all the time
- Keep WiFi on during sleep Selection from "Always", "Only when plugged in", "Never", and "WiFi intelligent sleep"
- WiFi Direct- This feature has been disabled



Advanced Settings



All settings can be found through Advanced Settings

- Wireless & Networks WiFi, Bluetooth and Data Usage
- Device Display, Sound & Notification, Storage, Apps, and Screenshot Setting
- Personal Accounts, Language & Input, and Backup & Reset
- System Date & Time and About Device

Language Settings

Language Settings

- Selecting a Language: The projector supports more than 30 languages
- Keyboard & Input Method: The input method is a standard AOSP English keyboard
- Speech: Text-to-speech output
- Mouse/Trackpad: Pointer speed is adjustable



Language Settings

Display Settings

Projection Settings

- Projection Mode: Allows the user to flip the projected image.
- Keystone Correction: Allows the user to manually make keystone adjustments.
- Color Mode: Changes the picture mode to different settings depending on your usage.



Projection Settings

Bluetooth Settings

Bluetooth Settings

- For Bluetooth Connectivity please see the Bluetooth (BT) page (Page 10)
- Bluetooth Enable On/Off
- After clicking the 3 vertical points on the top-right corner, there are three
 functions that can be chosen: "Refresh," "Rename the device," and "Show
 received files"
- The projector is visible to nearby devices while Bluetooth settings are open



Backup & Reset

Back Up My Data

Back up app data, WiFi passwords, and other settings to Google servers.

Backup Account

Set a backup account to backup the data.

Automatic Restore

Use this function to allow the automatic restore when reinstalling an app.

Factory Data Reset

Erase all data on the device.

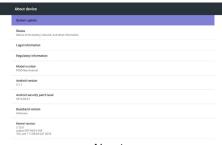


Backup & Reset

About

The "About" displays the basic information of the projector which includes:

- Status
- · Legal Information
- · Regulatory Information
- Model Number
- Android Version
- · Android Security Patch Level
- Baseband Version
- Kernel Version
- Build Number



About

Technical Details

Chapter 5

Troubleshooting

IMAGE IS BLURRED

Possible Causes	Solution
The Projector is not in focus	Adjust the focus with the focus adjustment dial until the image comes into focus
The Projector is offset from plane / angle of operation	Move the projector so that it is both 180 degrees and on an even plane with the screen

NO SYNC, NO SIGNAL

Be sure to setup the computer to enable a video signal output. On some laptops this is done by pressing and holding Function F5 key. If using the P300 Neo-S as an external monitor on Windows based systems, this can be done by selecting "extend my desktop to this monitor". The native resolution of the P300 Neo Smart projector is 1280x720 (720P). Depending on the video driver different resolutions may need to be selected for proper output

Technical Details Cont.

Troubleshooting

THE PROJECTOR DOES NOT TURN ON

Possible Causes	Solution
There is no power	Check to ensure the power outlet source is good. Check the power adapter to ensure a proper con- nection with the wall outlet as well as the projector. Confirm that the unit is charged and has enough power
The On/Off switch is not on the "On" position	To power on the projector, the On/Off switch must be on the "On" position. The unit should automatically turn on once the switch is in the "On" position

NO PICTURE / FILE NOT SUPPORTED

Possible Causes	Solution
The video source is not properly connected or selected	Check the video source signal to ensure that it is properly connected. Select the current input source by choosing the input desired from the main menu
Incorrect file extension / Video is encoded with incorrect codec	Please refer to "Specifications" page to see which file types and codec are supported. Verify that the file was encoded properly

Specifications

Brightness: 400Lumens Max Resolution: 1920x1080 (1080p) Native Resolution: 1280x720 (720p) Contrast Ratio: 1000:1 Aspect Ratio: 16:9 Projection Lens: Manual Focus Image Size: 10~120 inches Lamp: Triple RGB LEDs with Vibrant Color Technology Life 30,000hrs Video in: Composite A/V (3.5mm Jack) Digital Input (Mini) (compatible) 3.5 mm audio iack Audio Out: Color: Black / White) TF Card: TF Card Slot (32GB maximum) USB: Full Size USB 2.0 (32GB maximum) Dimensions: 5.5" x 3.5" x 1.2" 0.84 lbs Weight: Power Consumption: 24 W 90 Minute Li-Ion Rechargeable Battery Battery Life: Supported File Formats: MP3. WMA. OGG. WAV. AVI. BMP, JPG,TXT, GIF, XLS, PPT, DOC, PDF Conformances: CE. FCC Class A Android Operating System: 5.1 Lollipop Quad-Core ARM Cortex A7 Processor: RAM: 1GB Onboard Storage: 8GB WiFi: 802.11 b/a/n Bluetooth: 2.0

	Notes	
Τ		

Please direct all customer service inquiries to:

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