KD-BYOD4K

4K KDPlay Wireless Presentation Gateway for PC, Mac, iOS, Android, and Chrome OS devices. Full and Multi-Presenter Viewing Modes. Screen Mirroring via LAN or WiFi with builtin Antenna. Power over Ethernet, HDMI and Analog Audio Output, USB Keyboard, Mouse, and Annotation Control





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Default IP Address: 192.168.13.1

Quick Setup Guide

Please visit <u>www.keydigital.com</u> for the latest product documentation, firmware, control drivers and software downloads. Product features and specifications are subject to change without notice

Always follow the instructions provided in this Operating Manual.

About KD-BYOD4K

KD-BYOD4K wireless presentation gateway for the KDPlay[™] system enables presenters to cast content to their display or projector from their Windows, Mac, or Chrome OS laptops, iPads, iPhones, Android tablets or phones via WiFi. Multiple attendees may cast simultaneously, encouraging teachers and students, trainers and participants, all to collaborate regardless of their connection type and without the hassle of wires. KD-BYOD4K features annotation, moderator management and touchscreen/mouse control for a true interactive experience. Easily load KD*Play*[™] application onto your laptop from the unit's web page or plug in the included KD*Play* Flash[™] to auto launch. Additional Flash[™] may be purchased separately. Android users download the KD*Play*[™] app, iOS devices natively cast using AirPlay, and Chrome OS devices cast desktop or tabs from Chrome browser. KD-BYOD4K's dual network ports enable access via Employee and Guest network for easy internet access. KD-BYOD4K supports 4K output resolution as well as fullscreen or auto sizing multi-presenter viewing modes.

Key Features

- Wireless Presentation Gateway: Connect via WiFi to wirelessly cast content from device.
- Bring Your Own Device: Cast from Windows and Mac computers or Android devices using KDPlay™ software and app. Cast from iOS devices with AirPlay. Cast from Chrome OS using Chrome browser tool for tab or desktop.
- **Multi-Presenter Mode:** Up to four presenters may share content at same time with auto adjusting screen layout. User preference layout setup for three or four presenters allows for optimal window placement based on usage.
- **Easy Connection:** Up to 16 simultaneous devices may connect, with access always provided to new connecting devices and automatic disconnect of oldest non-casting devices in case of maximum being reached.
- KDPlay[™] Flash Included: Software auto-launcher with USB and USB-C connections allows Additional KDPlay[™] Flash sold separately.
- **4K/UHD Source & Display:** Supports incoming signals and outputs at 4K/UHD for optimal clarity of spreadsheets and data content.
- Annotation and White Board: Screen overlay tools for real-time collaboration. Screen captures are downloaded by QR code or in web browser.
- **Extended Monitor:** Feature enables dual display setups such as video conference and presentation content view on side-by-side panels.
- WiFi Direct or LAN Connection: May act as the Wireless Access Point or may be accessed by devices via the connected network.
- **Content Preview:** Collapsible dock on side of display provides preview thumbnail and name of devices casting via KDPlay[™] app.
- **Touch Screen / Mouse Forwarding:** Connect touchscreen or mouse USB to unit to point and click on casted device.

- Moderator Management: Administrator may start & stop device casting via web control page.
- Web GUI Administration: Access unit setup, moderator, and security tools on web browser through LAN.
- Four-Level Security: Including casting / pairing pin and Device-type permission options, AES-256 + RSA-1024 encryption.
- **Simultaneous Secure Dual Network:** Two network ports enable concurrent connection to Public and Private networks for ease of guest access without compromising security.
- Video Resolution: Selectable 4K 3840x2160 @ 30fps or 60fps [4:2:0] 10.2Gbps, 1920x1080p @ 60fps, 1920x1200p @ 60fps, 1280x800p @ 60fps, 1280x720p @ 60fps output resolution options based on EDID from connected display.
- **Audio De-embedding:** Audio of the casted device is de-embedded at the unit's analog L/R audio connector for ease of integrating with audio amplification and mixing systems.

	Casting Method	Video	Audio	Max Simultaneous Casting Devices	Mouse Forwarding	Moderator Preview
Windows	KDPlay app	YES	YES	4	YES	YES
Windows	Chromecast (Chrome browser)	YES	YES	2		
MacOS	KDPlay app	YES	YES	4	YES	YES
MacOS	AirPlay	YES	YES	2		
MacOS	Chromecast (Chrome browser)	YES	YES	2		
Android	KDPlay app	YES		4		YES
iOS	AirPlay	YES	YES	2		
Chrome OS	Chromecast (Chrome browser)	YES	YES	2		

Features Table

Device types may have additional notes on setup requirements or limitations. See <u>Casting</u> section for more info.

WiFi Direct or LAN Connection

What Mode to Use? WiFi Direct or LAN Connection?

WiFi Direct Mode (Default) allows wireless devices direct access to the base unit using KD-BYOD4K's built-in WiFi access point. WiFi Direct Mode is the quickest way to begin casting to your KD*Play*[™] screen but only provides internet to connected devices if a LAN wire is connected from an internet enabled network.



LAN Connect Mode requires KD-BYOD4K be wired into your local network. Wireless devices access KD-BYOD4K via your existing external WiFi network therefore allowing users to stay connected to an internet enabled network(s). WiFi Direct mode is disabled when LAN Connect Mode is enabled.



Network Security & Considerations

Bandwidth

 The maximum bandwidth per casted device is 12Mbps per stream. Common usage will be 12 – 48Mbps for one to four presenters.

Security

- KD-BYOD4K's dual LAN ports enable concurrent connection to two networks. Connected networks are completely isolated from each other, providing ease of access without compromising security. Additional network security settings may be adjusted in the Admin Access page.
- Use security level 3 or the Preference setting to apply encryption to all casting data if you have any security concerns.

KDPLAŶ					LOGOU
R NETWORK	Security Settings				
🖞 DISPLAY & AUDIO	Security Level				
A SYSTEM	# Security item	Level 1	Level 2	Level 3	Preference
STSTEM	1 Enable login password for Webpage	× .	~	×	×
	2 Auto-change password for Wireless	×	~	~	×
> Security level	3 Encryption of Data: Proprietary	×	× .	× .	×
> Login password	4 Enable "Airplay" PIN code		~	× .	
	5 Enable login password for Telnet		~	~	
F/W UPDATE	6 Encryption of Data: AES-256 Bit + RSA-1024Bit		× .	× .	
	7 Disable Android APK,Airplay			× .	
DEVICE INFO	8 Disable "Firmware downgrade"			× .	

Firewall Settings

In most installations, there are no network settings that need to be applied for common functionality.

However, if you are installing KD-BYOD4K on an advanced network, please ensure that the below list of TCP and UDP port numbers remains open on your network in order for devices to cast to KD-BYOD4K.

	TCP Port #	UDP Port #	Casting IP Address
KDPlay App Windows, MacOS	20000, 20002, 20003, 20006, 20007, 20008, 20009, 20010	6667, 8887, 8889 20005	IP Multicast Group Address: 239.1.1.1 Broadcast IP address: 255.255.255.255
KDPlay App Android	8121, 48689 51030, 51040, 52020, 52030 Additional Port #'s Possible	8887, 8889	IP Multicast Group Address: 239.1.1.1 Broadcast IP address: 255.255.255.255
AirPlay iOS	5656, 51010, 51020 17011, 17012, 17100	5353	MDNS: 224.0.0.251
Chromecast	8008	1900, 5353, 8009 16660, 16661, 16662, 16663	SSDP: 239.255.255.250 MDNS: 224.0.0.251 Note: Casting device and KD-BYDO4K must be within in same subnet.
Web Browser	80		

KD-BYOD4K LAN Port Features

In most installations, there are no network settings that need to be applied for common functionality.

	PoE	Maximum Bandwidth
LAN Port 1		100Mbps
LAN Port 2	YES	1Gbps

Quick Setup Guide

Begin with KD-BYOD4K, the connected display / touch screen monitor, and all USB or HDMI extension devices turned off with power cables removed. Ensure that all desired functionality is achieved before installing. **Do not connect phoenix block into "Factory Only" port or audio loss will be experienced.**

Cabling

Cabling for WiFi Direct Mode

- 1. Connect KD-BYOD4K to an HDMI display.
- (Optional) Connect mouse or touch screen monitor to USB 2.0 port if using content preview dock, annotation, or chalkboard tools. USB 3.0 and USB-C connections are available as well.
- (Optional) Connect audio from L/R output to audio amplifier.
- 4. Connect power to KD-BYOD4K unit



Cabling for LAN Connection Mode

- 1. Connect KD-BYOD4K to an HDMI display.
- Connect network cable from WiFi Router / Network Switch.
 - a. (Optional) Connect to KD-BYOD4K's
 LAN 2 port to power the unit via PoE
 from a supported network switch



- b. (Optional) You may connect KD-BYOD4K to two networks for concurrent access to KD-BYOD4K from devices on each network.
- 3. (Optional) Connect mouse or touch screen monitor to USB 2.0 port if using content preview dock, annotation, or chalkboard tools. USB 3.0 and USB-C connections are available as well.
- 4. (Optional) Connect audio from L/R output to audio amplifier.
- 5. Connect Power to KD-BYOD4K unit (if not using PoE as described in step 2a).

Configure

Configure for WiFi Direct Mode with Web UI

- 1. Connect to network named KD-BYOD4K-XXXX. The password is displayed on the HDMI connected monitor and the default password is **12345678**
- 2. Open web browser, and enter 192.168.13.1 in the address bar
- 3. Press the ADMIN ACCESS button at top-right of the page
- 4. Enter default password admin
- 5. Enter NETWORK menu and choose Wireless sub-menu
- 6. Enter the desired name (SSID) for KD-BYOD4K's WiFi network. The default network name is KD-BYOD4K-XXXX
- 7. Enter the desired password for KD-BYOD4K's WiFi network. The default password is 12345678
- 8. SAVE changes
- 9. **Note:** If you change the password but not the SSID (network name), you may have to forget and re-join the network to re-connect.





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망	NETWORK	Network Wire	less Settings	
5	 > Network Mode > Wireless > Ethernet (LAN) 	WiFi Direct Mod	e LAN Connection Mod	e
⊈	DISPLAY & AUDIO	Network Name (SSID):	KD-BYOD4K-0001 6	
ø	SYSTEM	Security:	WPA/WPA2 - Personal (Recommended)	
₿	SECURITY	Frequency:	2.4 Ghz S Ghz	
£	F/W UPDATE	Password:	12345678	
í	DEVICE INFO	Channel Width:	[text]	
		Channel:	1 *	
			SAVE 8	

Configure for LAN Connection Mode with Web UI

- 1. Connect to wireless network named KD-BYOD4K-XXXX. The password is displayed on the HDMI connected monitor and the default password is **12345678**
- 2. Open web browser, and enter 192.168.13.1 in the address bar
- 3. Press the ADMIN ACCESS button at top-right of the page
- 4. Enter default password admin
- 5. Enter NETWORK menu and choose Network Mode sub-menu
- 6. Choose LAN Connection Mode and confirm to apply. Wait a few moments for the new setting to apply.
- 7. Reconnect to unit, by entering the IP address shown on the HDMI connected monitor it your browser address bar.
- 8. Enter the Wireless sub-menu and the LAN Connection Mode tab
- Enter the desired name (SSID) for KD-BYOD4K's Play Screen. The default network name is KD-BYOD4K-XXXX
- 10. Enter the desired password for casting to KD-BYOD4K's Screen. The password is displayed on the HDMI connected monitor and the default password is **12345678**
- 11. Choose **2.4 Ghz or 5 Ghz** frequency and press **WIRELESS SCANNER** to begin scanning for the WiFi Network that you have connected the KD-BYOD4K unit to.
- 12. Choose your desired WiFi Network and press SAVE
- 13. Enter the WiFi Password and press CONNECT. Press SAVE and verify Connection Status
- (Optional) To set a desired static IP address to KD-BYOD4K, enter the Ethernet LAN sub-menu. The default IP address setting for LAN Connection Mode is DHCP / Obtain IP Address Automatically. Press SAVE to apply new settings.











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> Network Mode > Wireless > Ethernet (LAN)	LAN 1	LAN 2	
DISPLAY & AUDIO	Obtain Address Au	tomatically Use the following IP address:	
SYSTEM	IP Address:	192.168.1.100	
SECURITY	Subnet Mask:	255.255.0.0	
♣ F/W UPDATE	Default Gateway:	192.168.1.1	
DEVICE INFO	DNS 2:	192.108.1.20	
	MAC Address:	60:89:B1:37:10:01	
		SAVE	

Cast

1. Power on connected HDMI display and select the appropriate HDMI input connection. All instructions are displayed on KD-BYOD4K's Home Screen



2. (Preferred Method) Casting with KDPlay Flash Auto-Launcher from PC / Mac

Note: If casting for the first time after changing network settings, please pair KDPlay Flash with KD-BYOD4K as instructed below

- a. Insert KDPlay Flash drive into computer. KDPlay software will auto launch.
- b. Press START MIRRORING to begin casting your content.
- c. Press the GEAR ICON to enter the Settings for Volume, Extended Display, and more.



Notes for using MacOS with KDPlay Flash

MacOS Catalina is required to support auto-launch feature of KDPlay Flash

Users may manually run KDPlay software or use AirPlay if they do not wish to upgrade to MacOS Catalina.

When inserting KDPlay Flash into Mac computer, the following message is received. Press OK to all access



3. Casting from PC / Mac computer:

- a) Ensure that you are connected to appropriate WiFi network, as instructed on Home Screen.
- b) Open web browser, and enter KD-BYOD4K's IP Address, as displayed on Home Screen on your display/projector.
- c) On Welcome Page, press button to download
 KDPlay[™] software for Windows or macOS X.
- d) Run the KDPlay.exe file to open KDPlay[™] software.
- e) Choose desired *KDPlay* screen you wish to cast to. Press **CONNECT** button.
- f) Enter the KD-BYOD4K device's password, as displayed on Home Screen.
- g) Press CONNECT button. You are now paired with the KD-BYOD4K device, but not yet Casting.
- h) Press START MIRRORING to begin casting your content.





i) Press the GEAR ICON to enter the Settings for Volume, Extended Display, and more



4. Casting from iOS Device:

- Ensure that you are connected to appropriate WiFi network, as instructed on Home Screen
- b. Open **Control Center** on iOS Device by dragging finger upward from bottomcenter of screen.
- c. Choose Screen Mirroring
- d. Choose your KD-BYOD4K device you wish to cast to



iOS Casting Notes

Streaming video from YouTube app via AirPlay is not currently support. Please stream from web browser if needed. Future updates may add YouTube app support. Two maximum iOS devices may simultaneously cast to KD-BYOD4K. Moderator preview not supported for devices casting without KDPlay app. If casting for the first time after changing network settings, it may be necessary to forget the KD-BYOD4K network and re-join, especially if you have updated the WiFi Direct Mode SSID password.

5. Casting from Android device:

- a. Open Google Play and download KDPlay™ app
- b. Ensure that you are connected to appropriate WiFi network, as instructed on Home Screen.
- c. Run **KD***Play***™** app
- d. Choose desired KDPlay screen you wish to cast to.
- e. Enter the KD-BYOD4K device's password, as displayed on Home Screen.
- f. Press **CONNECT** button. You are now paired with the KD-BYOD4K device, but not yet Casting.
- g. Press START MIRRORING to begin casting your content.



Android Casting Notes

Android currently supports video streaming only, not audio. Future updates may add audio streaming support. To reduce mobile device battery consumption, please disconnect from KD-BYOD4K and completely close the app when done using.

6. Casting from Chrome OS / Chrome Browser:

- a. Open Chrome browser.
- b. In top-right corner, press the vertical ellipsis ":" button and choose **Cast...**
- c. Select the desired **Share Source** (browser tab, desktop, or file) in the dropdown menu.
 - i. Note: Choose desktop if you wish to cast from YouTube.
- d. Click the KD-BYOD4K device you wish to cast to.
- e. You may now use the 🔝 casting icon to enter the Casting menu and toggle casting state.



Chrome OS Casting Notes

Two maximum Chrome OS devices may simultaneously cast to KD-BYOD4K. For Chrome OS support, KD-BYOD4K must be on an internet-enabled network and the KD-BYOD4K time setting **Use Network-Provided Time** applied with correct time zone selected. The casting device must be in same subnet for chromecast casting. Power cycle KD-BYOD4K after updating time and/or network settings. If the updated device name is not shown after applying, close all existing Chrome browser sessions, power cycle KD-BYOD4K, and open a

new browser window. Moderator preview not supported for devices casting without KDPlay app.

	System Settings						
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🗳 DISPLAY & AUDIO	Time Settings						
SYSTEM	Auto Date & Time	Use network-provided time •					
 > Mirroring Info > Time Settings 	Date:	2021-04-19					
> Auto Standby > Factory Restore	Time:	13:32:34					
	Time Zone:	(GMT-05:00) Central Daylight Ti 🔺					
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Custom Home Screen Image

A custom home screen background image may be loaded and selected

- Enter the Admin Menu, choose Display & Audio, and Home Screen background.
 - Press the "+" thumbnail to browse and choose your image.
 - The custom image must be 1920x1080 resolution with 72 dpi.
- Lock Instructional Banner setting is applied by default so KD-BYOD4K's connection information always appears at the top of the home screen.
- The Instructional Banner is 73 pixels tall. It may be necessary to adjust the vertical centering of your custom image to ensure the top part of the image is not covered by the instructional banner.
- White background colors will look cleanest.



Application Examples

WiFi Direct Mode



Touchscreen Annotation in LAN Connection Mode





Audio De-Embedding and USB Extension



Dual Monitor / Extended Monitor Conferencing System



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Admin Menu Walkthrough

Log into the web UI by entering the unit's IP address as shown on the HDMI connected monitor into your web browser and selected **ADMIN ACCESS**, then entering the admin password.

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1B: Network – Wireless (WIFI Direct Mode)

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> Network Mode > Wireless > Ethernet (LAN)	WIFI Direct Mod	LAN Connection Mode
DISPLAY & AUDIO	Network Name(SSID):	KD-BYOD4K-4375
-	Security:	WPA/WPA2 - Personal (Recomn +
O SYSTEM	Frequency:	2.4GHz
SECURITY	Auto Change Password:	Never •
t F/W UPDATE	Password:	12345678
DEVICE INFO	Channel Width:	Auto •
	Channel:	36 •
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1C: Network – Wireless (LAN Connection Mode)



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		Network Wire WIFI Direct Mode KD-BYOD4K Name(SSID): KD-BYOD4K Password: Note: You must connect a	Iess Settings KD-BYOD4K-4375 12345678 network cable to the KD-B	LAN Connection	n Mode	
	security f/W UPDATE f/W UPDATE device info	Frequency: SSID: Password: Connection:	24GHz WIRELESS SCANNER	CONNECT		
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🔒 SECURIT	CY Default Gateway:	0.0.0
t F/W UP	DNS1: DNS2:	0.0.0
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2B: Display Audio – Audio Output

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2C: Display Audio – Airplay Picture Quality

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	DISPLAY & AUDIO AirPlay F Addo Output Addo Output Addo Output On-Screen Display Home Screen Background Multiview Layout SYSTEM SECURITY F/W UPDATE DEVICE INFO	icture Quality Ity: High(1920X1080) High(1920X1080) Medium(1280X720) Low(1136X640)		
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2D: Display Audio – On-Screen Display

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2E: Display Audio - Home Screen Background

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 ➡ DISPLAY & AUDIO ➡ HDMI Output ➡ Audio Output ➡ Airplay Picture Quality ➡ On-Screen Display ➡ Home Screen Background ➡ Multiview Layout ➡ SYSTEM ➡ SECURITY ➡ F/W UPDATE ➡ DEVICE INFO 	Home Screen Background Image: Streen Background Image: Str
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2F: Display Audio – Multiview Layout

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3A: System - Mirroring Info

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문 Network	System Settings
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 SYSTEM Mirroring Info Time Settings Auto Standby Factory Restore Chromecast Settings SECURITY E F/W UPDATE DEVICE INFO 	Auto Date & Time Use network-provided time • Date: 2021-07-06 Time: 0655534 Time Zone: (GMT-04.00) Eastern Daylight • Note: Time will only be displayed with a LAN cable and internet connection into KD-BYOD4K. Casting from Chrome OS requires connection to an internet-enabled network with KD-BYOD4K time settings set to Use Network-Provided Time and the appropriate time zone selected.
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3C: System - Auto Standby

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3D: System - Factory Restore

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 SYSTEM > Mirroring Info > Time Settings > Auto Standby > Factory Resorce > Chromecast Settings Mirroring Mirror	Revert all settings to factory defaults.
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3E: System - Chromecast Settings

← → C ▲ Not secure 192.168.13.1/system_settings.html	x) 🛓 (Update 👔
KDPLAY	LOGOUT 🔁
맘 NETWORK	Chrome OS Settings
🗳 display & Audio	Casting from Chrome OS / Browser
 SYSTEM > Mirroring Info > Time Settings > Auto Standby > Factory Rectore > Chromecast Settings 	✓ Enable Chromecast Note: For Chrome OS support, KD-BYOD4K must be on an internet-enabled network and the KD-BYOD4K time settings must set to Use Network-Provided Time with the appropriate time zone selected. Power cycle KD-BYOD4K if time settings and/or network connection are updated.
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4A: Security – Security Level

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KDPLAY					LOGOUT 🗲	
및 NETWORK	Security Settings					
display & Audio	Security Level					
SYSTEM	Security Item Enable login password for Webpage	Level 1	Level 2	Level 3	Preference	
SECURITY > Security level > Login password	2 Auto-change password for Wireless 3 Encryption of Data: Proprietary 4 Enable "Airplay" PIN code	*	* * *	* * *	*	
♣ F/W UPDATE	5 Enable login password for Telnet 6 Encryption of Data: AES-256 Bit + RSA-1024Bit 7 Disable Android ABC Alcolar		*	*		
DEVICE INFO	8 Disable "Firmware downgrade"			-		
	Current Security Level: Level 1 Level 2 SAVI	C Level :	3 ()	Preference		
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KDPLAŶ		LOGOUT 🔁
맘 NETWORK	Security Set	ettings
🗳 display & audio	Old Password:	Enter current password
G SYSTEM	New Password:	Enter new password
SECURITY > Security level > Login password	Confirm Password:	
🛧 F/W UPDATE		OF DATE FASHIORD
O DEVICE INFO		
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5A: FW Update - Firmware Update

← → C ▲ Not secure 192.168.13.1/firmware_update.html	🖈 🚨 (Update 🔅
KDPLAŶ	
맘 NETWORK	Firmware update
🖪 DISPLAY & AUDIO	Update Unit Firmware
SYSTEM	Firmware File: BROWSE
	Current Firmware: 3.1.6C.40.K20210706
F/W UPDATE > Firmware update > Auto Update	UPDATE FIRMWARE Note: After firmware update, please pair KDPIay Flash with KD-BYOD4K unit by inserting into any USB port and receiving success confirmation on screen.
Device info	
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$\underbrace{ 5B: FW \ Update - Auto \ Update}_{ \leftarrow \ \Rightarrow \ \sigma \ (\texttt{A} \ Not \ secure \ | \ 192.168.13.1/firmware_update.html}$

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	KDPLAŸ		LOGOUT 🔁
	Image: Second	Firmware update Auto Update Auto Update Auto update Auto update Auto update requires LAN Connection with an internet enabled network.	
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6A: Device Info

← → C ▲ Not secure 192.168.13.1/about_device.html				🖈 💄 Update 🔅
KDPLAŸ			LOGOUT 🗲	
₽ NETWORK	Device Info			
display & Audio	KD <i>Play</i> Device Info			
SYSTEM	Model name Device Name(SSID)	KD-BYOD4K KD-BYOD4K-4375		
	Firmware version	3.1.6C.40.K20210706		
f/W UPDATE	Web server version	1.21		
DEVICE INFO About device				
inter in a tr				
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Warranty Information

All Key Digital® products are built to high manufacturing standards and should provide years of trouble-free operation. They are backed by a Key Digital Limited 3 Year Product Warranty Policy.

http://www.keydigital.com/warranty.htm

Product Warnings & Safety Instructions



Important Product Warnings:

- 1. Connect all cables before providing power to the unit.
- 2. Test for proper operation before securing unit behind walls or in hard to access spaces.
- 3. If installing the unit into wall or mounting bracket into sheet-rock, provide proper screw support with bolts or sheet-rock anchors.



Please be sure to follow these instructions for safe operation of your unit.

- 1. Read and follow all instructions.
- 2. Heed all warnings.
- 3. Do not use this device near water.
- 4. Clean only with dry cloth.
- 5. Install in accordance with the manufacturer's instructions.
- 6. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- 7. Only use attachments/accessories specified by the manufacturer.
- 8. Refer all servicing to qualified service personnel. Servicing is required when the device has been damaged in any way including:
 - o Damage to the power supply or power plug
 - Exposure to rain or moisture



You MUST use the Power Supply provided with your unit or you VOID the Key Digital® Warranty and risk damage to your unit and associated equipment.