



KAZUAR Secured Laptop
User Manual







> INDEX

FCC Statement	4
Important Safety Information	4
KAZUAR Secured Laptop	5
Getting to know your laptop	6
Quick Start Guide	8
Step 1:	
Power on the KAZUAR Secured Laptop	8
Step 2:	
SecureBoot authentication	9
Step 3:	
Connecting to the Internet	11
Step 4:	
Switching between the Blue and Black workspaces	12
Step 5:	
Using Secure Video Conferencing	14
Step 6:	
Powering off the laptop	15
System Limitations	16
Known Issues and Troubleshooting	17



FCC STATEMENT

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- This device may not cause harmful interference.
- This device must accept any interference received, including interference that may cause undesired operation.

IMPORTANT SAFETY INFORMATION

- Only use the USB-C power adapter approved for use with this computer. Use only the power cord and batteries included with this computer. Do not dispose of batteries in a fire. They may explode. Check with local codes for possible special disposal instructions.
- Do not continue to use a battery that has been dropped, or that appears damaged (e.g. bent or twisted) in any way. Even if the computer continues to work with a damaged battery in place, it may cause circuit damage, which may possibly result in fire.
- Make sure that your computer is completely powered off before putting it into a travel bag (or any such container).
- Before cleaning the computer, make sure it is disconnected from any external power supplies, peripherals and cables.
- Use a soft clean cloth to clean the computer, but do not apply cleaner directly to the computer. Do not use volatile (petroleum distillates) or abrasive cleaners on any part of the computer.
- Do not try to repair a battery pack. Refer any battery pack repair or replacement to your service representative or qualified service personnel. Don't drop or expose the computer to shock as the case and components could be damaged.
- Keep the computer and power supply away from any kind of heating element, water or any other liquids.
- Keep the computer away from high capacity transformers, electric motors, and other strong magnetic fields.
- Do not block the ventilation ducts in the back and bottom of the computer. Blocking the cooling vents may cause the computer to overheat, reduced performance and may damage the hardware. Shut the computer down properly and don't forget to save your work.
- Remember to periodically save your data as data may be lost if the battery is depleted.



KAZUAR Secured Laptop

MODEL: DELL Latitude 5440

SPECIFICATIONS

Processor	Intel Core i7-1365U, 2C+8C/12T, 1.70-5.20GHz, 12MiB+12MiB Cache, 15-55W TDP (PBP/MTP), Codename "Raptor Lake-U"
RAM	32GB (2x16GB) DDR4-3200
Storage	SSD M.2 PCIe 512GB (350GB available in Blue workspace)
Graphics	Intel Iris Xe Graphics (iGPU), 6Xe/96EU/768SP
Display	14", 1920x1080 (FHD), 16:9, 157ppi, 60Hz, non-glare (matte), IPS, 250cd/m ² , 600:1
Connectivity	WiFi 6E, RJ45 LAN, Bluetooth 5.3
Black workspace	KAZUAR Secure Module Gen4

DELL User Manual

<https://dl.dell.com/content/manual7899034-latitude-5440-owner-s-manual.pdf>

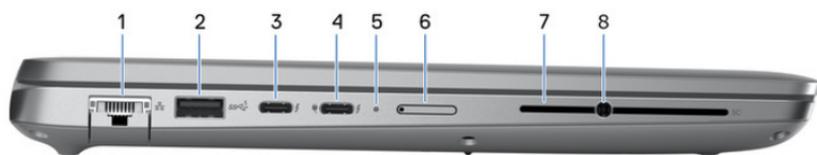


GETTING TO KNOW YOUR NEW LAPTOP

External Connections and Buttons



- 1 Universal audio jack (*Blue workspace only*)
- 2 USB 3.2 Gen 1 port with PowerShare
- 3 HDMI port (*Blue workspace only*)
- 4 Security-cable slot

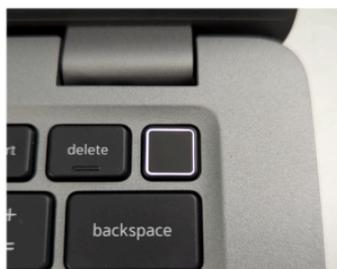


- 1 Network port
- 2 USB 3.2 Gen 1 port
- 3 Thunderbolt 4.0 with DisplayPort Alt Mode (***Blue workspace only***) / USB Type-C / USB4 / Power Delivery
- 4 Thunderbolt 4.0 with DisplayPort Alt Mode (***Blue workspace only***) / USB Type-C / USB4 / Power Delivery
- 5 Power and battery-status light
- 6 nano-SIM slot (***disabled on KAZUAR Secured Laptops***)
- 7 Smart-card reader (***disabled on KAZUAR Secured Laptops***)
- 8 KAZUAR Secure audio jack (***Black workspace only***)

The connection is marked with this icon: 



Power Button and Fingerprint Scanner



Press the Power Button to turn the laptop on. Use the built-in fingerprint scanner to login to the Blue workspace Windows 11.

KAZUAR Button – Workspace Switch and System Status



Press the KAZUAR Button to switch between the Blue and Black workspaces.

- **Green status light:** Blue workspace (local system) or KAZUAR Dash
- **Red status light:** Black workspace (secure remote connection)
- **Light blue status light:** System is transitioning between workspaces
- **Blinking status light (any color):** Battery has less than 20% remaining capacity



QUICK START GUIDE

STEP

1

Power on the KAZUAR Secured Laptop

1. Connect the laptop charger to the laptop's USB-C charging port and to an electrical power outlet.
2. Press the laptop power button (located on the top right of the keyboard) for 1-2 seconds.
3. The laptop will power on, and the boot process will start. A few seconds later, the KAZUAR SecureBoot login will be displayed on the screen.





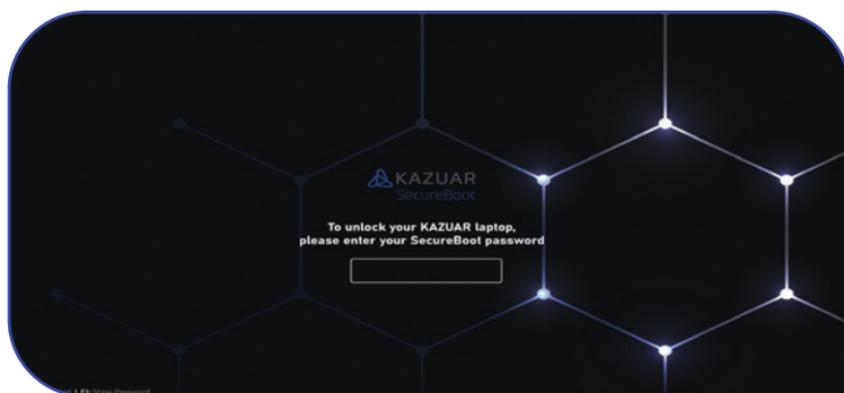
STEP

2

SecureBoot authentication

KAZUAR SecureBoot protects your local operating system from unwarranted modifications and from unknown code and software, as well as encrypting the local storage.

When first turning the laptop on, you will be asked to change your SecureBoot password. Type the default password (delivered with the laptop), then follow instructions on screen to replace the password.



Tip

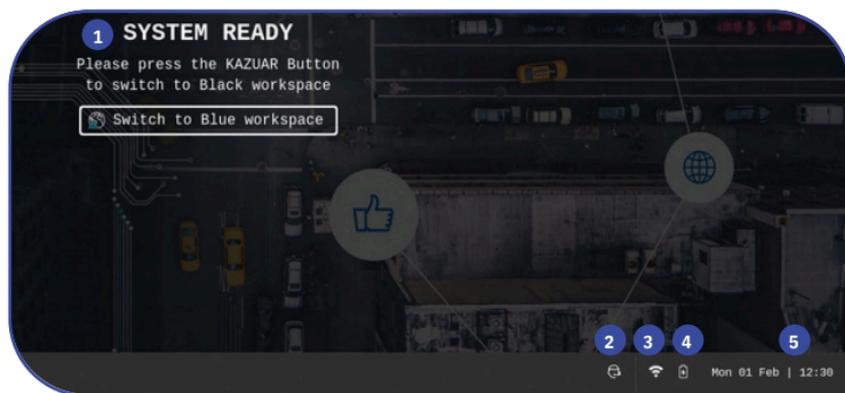
Choose a memorable password, and save it in your password manager app, **this password cannot be recovered if lost!**

After rebooting, you'll be asked to unlock SecureBoot. To unlock the laptop, type in your password in the SecureBoot authentication screen, and press the Enter key to proceed. The system will unlock and continue with the boot process.

If an incorrect password is entered, the system will prompt you to retry. If an incorrect pass-phrase is entered three times in succession, the system will reboot.



KAZUAR Dash - Status and Settings



KAZUAR Dash is the laptop's control-center. On this screen, you can monitor system status and change basic settings, such as connecting to WiFi, control brightness and more.

- 1 System status
- 2 Support menu
- 3 WiFi/LAN connection status
- 4 Battery/charge indicator
- 5 Date and Time



To return to the KAZUAR Dash, press
Ctrl + Alt + Home from the Blue workspace



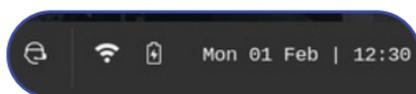
STEP

3

Connecting to the Internet

Connection to the Black remote workspace (as well as Internet access in the Blue workspace) requires configuring your Internet connection from the KAZUAR Dash. Alternatively, you can connect your laptop directly to a local network using the laptop's LAN port.

1. Ensure the KAZUAR Dash screen is displayed. If you have opened the Blue workspace, return to the Dash screen by pressing *Ctrl+Alt+Home*.
2. Click the Status area to open the System Status popup.
3. Click the WiFi setting in the list.



4. In the list of WiFi networks, select your local WiFi network by clicking on its name.
5. When requested, type in your WiFi password in the password popup.



6. Wait for the Status bar to clear of any messages and close the Settings window.

When the laptop is connected to the Internet, the system will connect to the KazWay server, and a “System Ready” message will appear on screen - the system is ready for use.



STEP

4

Switching between the Blue and Black workspaces

You are now ready to start working with your new KAZUAR Secured Laptop!

KAZUAR Secured Laptops provide you with two discreet and separate workspaces – Black (secure) and Blue (open).

The KAZUAR Black workspace is your secure workspace-operating on KAZUAR's proprietary hardware, physically and cryptographically separate from the local system. It connects you to a highly secure remote workspace using proprietary encrypted communication channels and custom client software.

To switch to the Black workspace, press the KAZUAR Button. The light will change to light blue, and then to red, when the Black workspace is ready for use.

The following functionality and devices are currently not supported in the Black workspace:

- External displays
 - External input devices (keyboard, mouse, drawing tablet)
 - Bluetooth (built-in or external USB) devices
 - File transfer and Copy & Paste functionality is disabled
-



The KAZUAR Blue workspace provides you with an open workspace, based on Windows 11. This workspace can be used for any application or activity that is private or non-sensitive for business use, such as personal messaging, email, video conferencing and your daily work, or browsing the Internet (as permitted by the organization policy).

- To switch to the Blue workspace from the Dash screen, press the ‘Open Blue workspace’ button on the screen.
- To switch to the open Blue workspace from the Black workspace, press the KAZUAR Button. The light on the KAZUAR Button will change to light blue, and then to green, when the Blue workspace is ready for use.

The following functionality and devices are not currently supported in the Blue workspace:

- Bluetooth mice and keyboards will not function on the Dash screen, but are fully supported within Blue workspace
- External network devices (e.g.: USB LTE/5G modem) may not provide full connectivity
- Applications requiring video acceleration (e.g.: 3D accelerated video editing or CAD software)

To go back to the KAZUAR Dash screen at any time, press **Ctrl + Alt + Home** while working in the Blue workspace.



STEP

5

Using Secure Video Conferencing

KAZUAR Secured Laptops allow to hold **secure** video and audio calls within the Black workspace by using the laptop's built-in camera and audio devices.

Enabling the camera for use in video call apps

After connecting to the Black workspace by pressing the KAZUAR Button and logging in to the remote session, run the video conferencing app used by your organization.

To start using the camera, open the camera privacy shutter.

You might need to select the camera within the app. The built-in camera is named according to your remote username and the laptop's DELL Service Tag number (e.g.: "Integrated Camera johndoe-E5RT3K").

After selecting the device in the app settings, the camera will become available for use in video calls.

Using a Headset for video calls in Black workspace

To use a (wired) headset to make video calls in the Black workspace, connect the headset to the Secure Audio Jack on the left side of the laptop, marked with 

Blocking camera access in Black workspace

To block camera access, close the camera's privacy shutter. This will disable the device, and it will stop functioning in the remote session, until the shutter is re-opened.



STEP

6

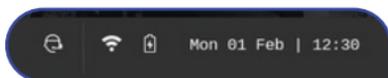
Powering off the laptop

Sending the laptop to sleep:

Closing the laptop lid will turn off the laptop's display, but it will remain powered on for a short period before it is sent to sleep. The laptop will suspend after about 30 seconds, preserving the state of the Blue workspace, even if the battery runs out while the laptop is suspended.

To power-off the laptop manually:

1. If you are working in the Black workspace, switch to the Blue workspace using the KAZUAR Button.
2. Switch to the KAZUAR Dash by pressing Ctrl + Alt + Home.
3. Press the system status icons in the taskbar.



4. In the status popup, select the Power button.
5. In the Power popup that opens, select Shut Down.
6. The laptop will proceed to shut down.





SYSTEM LIMITATIONS

The following is a list of limitations within the current generation of the KAZUAR Secured Laptop. Some of these limitations are by-design due to security requirements.

Blue workspace limitations:

- Bluetooth mice and keyboards will not function on the Dash screen, but are fully supported within Blue workspace
- External network devices (e.g.: USB LTE/5G modem) may not provide full connectivity
- Applications requiring video acceleration (e.g.: 3D accelerated video editing or CAD software)
- External monitors can only be connected via HDMI directly to the laptop. Docking station-connected monitors are not currently supported.

Black workspace limitations:

- The following device types are not supported in Black workspace (will be supported in future versions):
 - External monitors of any type, on any connection
 - External input devices (keyboard, mouse, drawing tablet)
 - Bluetooth (built-in or external USB) devices
 - USB devices of any type
- File transfer and Copy & Paste functionality is disabled



KNOWN ISSUES AND TROUBLESHOOTING

The following is a list of issues we're aware of, and are working diligently to fix. Until these issues are fixed, we provide the following workarounds.

“Connecting to KazWay” or “Connection to KazWay lost, please hold...” messages on Dash status screen

These messages appear when the laptop is not able to connect to your organization's KazWay infrastructure. This is expected if the laptop has just finished booting, or on network change, and the messages should disappear in about 10 seconds. If the errors persist, verify your Internet connection.

Instructions - to select/change the WiFi network:

1. Click the Status bar in the KAZUAR Dash taskbar.
2. In the Status popup, click the WiFi item. The WiFi settings window will open.
3. Click on your WiFi network and when requested, enter your WiFi password.
4. If another method of authentication is required (such as a 2FA code or app-based approval), it will be requested at this stage either via an on-screen message or via a mobile app, according to the organization's policy.

Instructions - to connect to a LAN network:

1. Plug the LAN cable into the LAN connector on the right of the laptop.
2. Wait for the network to connect. The network icon in the Status bar will change to a 'Connected' state.



Connecting to a WiFi network with additional authentication requirements (captive login portal)

Some networks, such as at hotels and airports, require the user to pass through additional steps after connecting and entering the WiFi network password. If such a portal is required by the network, it will open in a browser window in the Dash screen.

In some cases, the captive portal will only be shown when attempting to access the Internet. In such a case, open a browser window in the Blue workspace to access the captive portal login page.

Some public WiFi networks will not allow connection to Black workspace, even when Internet access is available

Some public WiFi networks block specific traffic, which blocks the ability to connect to the KazWay servers, even when Internet access is available in Blue workspace. In such a case, it is recommended to connect to a personal WiFi hotspot, or any other network without blocking rules.

WiFi network is asking for a password, even though the password was previously saved

In some rare cases, during upgrade or reinstallation of the KAZUAR software, the system may forget the saved WiFi credentials.



Cannot duplicate the screen in Blue workspace when connecting an HDMI monitor

This functionality is currently unsupported. Choose “Extend these screens” or “Use only on 1 / 2” in the Display settings.

After suspending or rebooting the laptop, connected USB or Bluetooth devices may stop working in the Blue workspace

Resolve by disconnecting and reconnecting the USB or Bluetooth device while working in the Blue workspace.

Some extended function keys are not supported in the Black and Blue workspaces

Some function keys with extended ('Fn') functionality are not currently supported in the Black and Blue workspaces. This functionality will be supported in future versions.

Audio input in Blue workspace will be recorded from the internal microphone when a wired headset is connected

The wired headset's microphone will not record audio. Bluetooth headset microphone will work normally.

Laptop screen may flicker for a moment during transition between the Blue and Black workspaces

This is expected behavior that occurs rarely with some of our display monitors, and does not imply any hardware issues with the laptop or monitor.



External devices, such as docking stations, displays, mice and keyboards do not work in the Black workspace

External devices are not supported in the Black workspace in the current generation of the KAZUAR Inside Laptop. While the user is working in the Black workspace, any external devices are either disabled, or remain connected to the open Blue workspace.

> THANK YOU FOR TAKING
THIS JOURNEY WITH US!



