Dell Rugged Control Center

Version 3.x User's Guide

D&LLEMC

Notes, cautions, and warnings

(i) **NOTE:** A NOTE indicates important information that helps you make better use of your product.

⚠ **CAUTION: A CAUTION indicates either potential damage to hardware or loss of data and tells you how to avoid the problem.**

⚠ **WARNING: A WARNING indicates a potential for property damage, personal injury, or death.**

Contents

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Introduction to Dell Rugged Control Center

Dell Rugged Control Center brings mission critical tasks to the forefront of your rugged device, making them easily accessible. Some of the tasks include operating your camera and optional barcode scanner, enabling and disabling your WiFi and Bluetooth™ services, and configuring programmable buttons. This application enables you to configure to a range of settings on your rugged device such as application settings, keyboard backlight settings, night mode settings, stealth mode settings, windows settings, antenna switch settings, and GPS settings.

Topics:

- Supported devices
- Supported operating systems

Supported devices

Dell Rugged Control Center supports all Dell rugged tablets and Dell rugged laptop computers.

Supported operating systems

Dell Rugged Control Center supports the following operating system:
- Windows 7 for 2.x version
- Windows 10 for 3.x version

Installing, uninstalling, and upgrading Dell Rugged Control Center

Topics:

- Install Dell Rugged Control Center
- Uninstall Dell Rugged Control Center
- Upgrade Dell Rugged Control Center

Install Dell Rugged Control Center

Dell Rugged Control Center is pre-installed on all supported systems. To install the software if you have uninstalled it, but want to use it at a later point, use these steps:

1. Double-click the .MSI installer file.
   The **Setup Wizard** screen is displayed.
2. Click **Next**.
3. Click **Install**.
4. Click **Yes** to provide administrator rights, and begin the installation process.
5. Once the installation process is completed, click **Finish**.
   The Dell Rugged Control Center icon is saved to the desktop, and the software is available in the **Start** menu.

When you launch the application for the first time in User mode, a **Telemetry Capture Confirmation** dialog box is displayed. If you click **Yes**, the application collects and sends the information about the actions that you perform to Dell.

You can change the option to either **Yes** or **No** at a later point from **Application Settings section** > **Telemetry Capture**.

In the Admin mode, the **Telemetry Capture** option is set as **No** by default. An administrator can change the option to **Yes** in the **Application Settings** section.

To use this feature, you must select **Yes** in the telemetry capture confirmation, and have a stable Internet connection. If you do not have Internet access, the telemetry information is captured locally and sent to the server when you are connected to the Internet.

Uninstall Dell Rugged Control Center

To uninstall Dell Rugged Control Center from your tablet, do the following:

For Windows 7:
1. Click **Start** > **Programs and Features**.
2. Select **Rugged Control Center** from the list of programs, and then click **Uninstall**.

For Windows 10:
1. Click **Settings** > **Apps**.

   ⓘ **NOTE:** If you first uninstall the Rugged Control Center Service, the User Interface (UI) will also get uninstalled. But if you uninstall the application first then you have to manually uninstall the Service.
2. Select **Rugged Control Center** and then click **Uninstall**.

Upgrade Dell Rugged Control Center

To upgrade your software, follow the same procedure described in Install Dell Rugged Control Center. The software automatically detects a previous version and removes it before installing the new version.

When you upgrade the operating system from Windows 7 to Windows 10, ensure that you uninstall DRCC2.x version and install DRCC3.x version manually after downloading it from www.dell.com.

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Using the Ribbon in Dell Rugged Control Center

Dell Rugged Control Center provides easy access to your key tablet functions on a moveable, dockable Ribbon. Turn on and off the on-screen keyboard, mute your mic, or suspend your wireless or Bluetooth connections. You can also program up to three buttons with that can be added to the Ribbon.

Topics:

Navigate Ribbon

Ribbon controls are sized specifically to allow both finger and gloved touch use.

To move the Ribbon, grab the empty section of the Ribbon between the 🔊 icon and the **Customize Ribbon** button and move it on your screen.

To automatically dock the Ribbon on the left or right of your screen, grab and swipe in that direction. The autodock feature snaps the Ribbon into place.

To toggle off the Ribbon, click the **Hide Ribbon** button.

To toggle on the Ribbon, click the 🖼 icon in the Windows taskbar, and select **Open Rugged Control Center**.

Access Dashboard

To access the Dashboard from the Ribbon, click 🖼› at the top of the Ribbon.

Use the Quick Access and Launch controls

Using the Quick Access and Launch controls, you can easily open all your commonly used applications, settings, and hardware features.

After you have selected the applications, settings, and hardware features you want to make available on the Ribbon, click the element you want to launch, toggle on or off, or set.

Adjust brightness and volume from Ribbon

To adjust the brightness and volume of your rugged device from the Ribbon, do the following:

1. Left-click either ☀ or 🔊.

The slider control opens.

2. Use your finger or pen to slide the control left or right to the brightness or volume level you want. To fully mute the sound on your rugged device, click the **Mute** button.
3. To close the slider control, click outside the control.

Customizing the Ribbon

Using the Dashboard, you can customize the Ribbon for easy access to applications, settings, and hardware features.

Add Ribbon controls

(i) **NOTE:** Available controls depend on which device you have, and may vary as described in the following table: However, the general functionality of the feature is the same for any device.

To add controls to the Ribbon:

1. Click ⚙ on the Ribbon.
   The **Ribbon Items** screen is displayed.

   The top row of the screen displays the slots available on the Ribbon, and shows you which items are already assigned to each available slot.

   The bottom row of the screen displays the control categories—**Controls**, **App/Item**, **URL**, **Keystroke Combination**, and **Windows Items**—and as you touch or click each of the categories, the options that are available on your rugged device display for quick access on the Ribbon are displayed.
2. Click **Controls**.
3. Select the control that you want to add to your Ribbon, and then click **Add**.

   Table 1. Controls and their descriptions

Control	Description
Airplane Mode On/Off	Enables or disables Airplane Mode.
Wireless On/Off	Enables or disables wireless service.
Bluetooth On/Off	Enables or disables Bluetooth service.
Night Mode On/Off	Enables or disables Night Mode.
Mic Mute On/Off	Mutes or unmutes your mic.
Rotation Lock On/Off	Enables or disables Orientation Mode. (i) **NOTE:** Table orientation mode is not applicable to laptops.

Remove Ribbon controls

(i) **NOTE:** Available controls depend on which device you have, and may vary. However, the general functionality of the feature is same for any device.

To remove controls from the Ribbon:

1. Click ⚙ on the Ribbon.
   The **Ribbon Items** screen is displayed.
2. Click the control category—**Controls**, **App/Item**, **URL**, **Keystroke Combination**, and **Windows Items**—of the control you want to remove from the Ribbon.
3. Click **Clear** to remove the control from the Ribbon.

Add application shortcuts

(i) **NOTE:** Available controls depend on which device you have, and may vary. However, the general functionality of the feature is same for any device.

To add application shortcuts to the Ribbon for easy access to frequently used applications:

1. Click ⚙ on the Ribbon.
   The **Ribbon Items** screen is displayed.

   The top row of the screen displays the slots available on the Ribbon, and shows you which items are already assigned to each available slot.

   The bottom row of the screen displays the control categories—**Controls**, **App/Item**, **URL**, **Keystroke Combination**, and **Windows Items**—available, and as you click each of the categories, the options that are available on your rugged device display for quick access on the Ribbon is displayed.

2. Click **App/Item**.
3. Select the control that you want to add to your Ribbon, and then click **Add**.

   Alternatively, click **Browse** to open a system browser. Use the browser to navigate to an application file (`.exe, .com, .cmd. or .bat`). Click the file to add an application shortcut to your Ribbon.

Table 2. Controls and their descriptions

Control	Description
Camera (Photo)	Opens default camera software.
Browse	Opens a browser window.

Add URL shortcuts

(i) **NOTE:** Available controls depend on which device you have, and may vary. However, the general functionality of the feature is the same for any device.

To add URL shortcuts to the Ribbon for easy access to frequently used websites:

1. Click ⚙ on the Ribbon.
   The **Ribbon Items** screen is displayed.

   The top row of the screen displays the slots available on the Ribbon, and shows you which items are already assigned to each available slot.

   The bottom row of the screen displays the control categories—**Controls**, **App/Item**, **URL**, **Keystroke Combination**, and **Windows Items**—available, and as you click each of the categories, the options that are available on your rugged device display for quick access on the Ribbon is displayed.

2. Click **URL**.
3. Enter a URL for which you want to create a shortcut, and then enter a name for the URL.
4. Click **Program**.
   A new control is displayed for the URL shortcut.
5. Click **Add** on the new control.
   The URL shortcut is added to your Ribbon.

Record and add keystroke combinations

(i) **NOTE:** It helps to write down the keystrokes you plan to record before you begin this procedure.

To add keystroke combination shortcuts to the Ribbon:

1. Click ⚙ on the Ribbon.
   The **Ribbon Items** screen is displayed.

   The top row of the screen displays the slots available on the Ribbon, and shows you which items are already assigned to each available slot.

The bottom row of the screen displays the control categories—**Controls**, **App/Item**, **URL**, **Keystroke Combination**, and **Windows Items**—available, and as you click each of the categories, the options that are available on your rugged device display for quick access on the Ribbon is displayed.

2. Click **Keystroke Combination**.
3. Click **Record**, and then type the keystroke combination you want to record.
4. Click **Stop**.
5. Type a **Name** for your new keystroke combination.
6. Click **Program**.
   A new control is displayed for the URL shortcut.
7. Click **Add** on the new control.
   The keystroke combination shortcut is added to your Ribbon.

Add Windows controls

ⓘ **NOTE:** Available controls depend on which device you have, and may vary. However, the general functionality of the feature is the same for any device.

To add controls to the Ribbon for easy access to Windows applications, settings, and hardware features:

1. Click 🔧 on the Ribbon.
   The **Ribbon Items** screen is displayed.

   The top row of the screen displays the slots available on the Ribbon, and shows you which items are already assigned to each available slot.

   The bottom row of the screen displays the control categories—**Controls**, **App/Item**, **URL**, **Keystroke Combination**, and **Windows Items**—and as you click each of the categories, the options that are available on your rugged device display for quick access on the Ribbon is displayed.

2. Click **Windows Items** on the bottom row.
3. Select the control that you want to add to your Ribbon, and then click **Add**.
   Available controls may include the following:
   - Keyboard backlight
   - On-screen keyboard
   - Project screen
   - Windows Mobility Center
   - Tab through applications
   - Rotate display
   - Tablet PC settings
   - Lock screen
   - Brightness up
   - Brightness down

Use Flashlight

ⓘ **NOTE:** You must have assigned the Flashlight feature to a programmable button before you can use the feature. See Customize programmable buttons for further information.

To toggle on and off the Flashlight feature, touch or click the ribbon button, dashboard button, or programmable button you have assigned to this feature.

Access system information

1. Click 🖾› at the top of the Ribbon.
   The Dell Rugged Control Center Dashboard is displayed.
2. At the top of the Dashboard, click the **System Information** tab.
   The **System Information** window is displayed.

Minimize Ribbon

You can click ↗↙ to minimize the Ribbon. The Dell Rugged Control Center application runs in the background when you minimize the Ribbon. You can click ⊞ from the system tray to access the Ribbon until you close the application.

Using the Dashboard in Dell Rugged Control Center

Use the Dashboard to edit and configure hardware controls and Quick Launch shortcuts, view system information, and configure application, keyboard backlight, Night Mode, and Windows settings.

Topics:

- Access Dashboard
- Customizing hardware controls
- Customizing Quick Launch shortcuts
- Customize programmable buttons

Access Dashboard

To access the Dashboard from the Ribbon, click ▣› at the top of the Ribbon.

Customizing hardware controls

From the Dell Rugged Control Center Dashboard you can immediately access a variety of your rugged device's hardware controls.

ⓘ **NOTE:** Hardware control available for access depend on your rugged device model.

Any hardware controls available to you will be found on the Dashboard in the Hardware Controls section of the window. Some of the options that may be available include:
- Airplane Mode
- Wireless On/Off
- Night Mode On/Off
- Mic Mute
- Bluetooth
- WWAN
- Rotation Lock

Add controls to the Dashboard

1. Launch Dell Rugged Control Center on your tablet or laptop.
2. Click ▣› at the top of the Ribbon.
   The Dell Rugged Control Center Dashboard is displayed.
3. Click ✎ at the right side of the **Hardware Controls** section of the Dashboard.
   The **Edit Hardware Controls** window opens.
4. To add a hardware control to the Dashboard, click a control from the lower half of the window, in the **Add Controls** to your Dashboard section.
   The selected control moves from the lower section of the window to the upper section of the window.
5. Click the right-facing arrow at the upper left of the window to return to the Dashboard.
6. Confirm that the new hardware control has been added to the Dashboard.
7. To close the Dashboard, click ‹▣ at the top of the Ribbon or the ✕ in the upper right of the Dashboard.

Remove controls from the Dashboard

1. Launch Dell Rugged Control Center on your tablet or laptop.
2. Click [icon] at the top of the Ribbon.
   The Dell Rugged Control Center Dashboard is displayed.
3. Click [icon] at the right side of the **Hardware Controls** section of the Dashboard.
   The **Edit Hardware Controls** window is opened.
4. To remove a hardware control from the Dashboard, click the control in the upper half of the window.
   The selected control moves from the upper section of the window to the lower section of the window.
5. Click the right-facing arrow at the upper left of the window to return to the Dashboard.
6. Confirm that the new hardware control has been removed from the Dashboard.
7. To close the Dashboard, click [icon] at the top of the Ribbon or the [icon] in the upper right of the Dashboard.

Adjust brightness and volume from the Dashboard

You can adjust screen brightness and sound volume from the Dashboard.

1. To open the Dashboard, touch or click [icon] at the top of the Ribbon.
2. Use the slider controls to increase and decrease the brightness of your screen and the volume of your sound level. To fully mute the sound on your rugged device, touch or click the **Mute** button.

Customizing Quick Launch shortcuts

Quick Launch shortcuts give you easy access to key rugged device features including:
- Project screen
- Camera
- Keyboard backlight
- On-screen keyboard
- Windows mobility center
- Tab through applications
- Rotate display
- Tablet PC settings
- Lock screen
- Scratch Pad

Add Quick Launch shortcuts

1. Launch Dell Rugged Control Center on your tablet or laptop.
2. Click [icon] at the top of the Ribbon.
   The Dell Rugged Control Center Dashboard is displayed.
3. Click [icon] at the right side of the Quick Launch Shortcuts section of the Dashboard.
   The **Edit Quick Launch** window opens.
4. To add a Quick Launch control to the Dashboard, click a control from the lower half of the window.
   The selected control moves from the lower section of the window to the upper section of the window.
5. Click the right-facing arrow at the upper left of the window to return to the Dashboard.
6. Confirm that the new Quick Launch shortcut has been added to the Dashboard.
7. To close the Dashboard, click [icon] at the top of the Ribbon or the [icon] in the upper right of the Dashboard.

Customize programmable buttons

Use Dell Rugged Control Center to assign actions to the hardware buttons your rugged system may support.

ⓘ **NOTE:** Not all rugged devices support programmable buttons. See your device user guide for more information about how to assign actions to programmable buttons your device supports.

ⓘ **NOTE:** Availability of both press and hold touch types depends on your rugged device. See your device system manual to determine the touch types your system supports.

Both hardware and virtual programmable buttons may support two types of touch: press, and press and hold. If your device supports these two types of touch, each button can be configured to perform up to two different tasks depending on the type of touch used. See Table 1 for the variety of programmable task options available, and their corresponding description.

1. Launch Dell Rugged Control Center on your tablet or laptop.

2. Click [icon] at the top of the Ribbon.
   TheDell Rugged Control Center Dashboard is displayed.

3. Click [icon] in the **Programmable Hardware Buttons** section of the Dashboard.
   The **Edit Programmable Hardware Buttons** window displays.

4. Click task options for a programmable button, selecting one task option for a short press, and one for a long press of the button. See the following table for available task options:

   ⓘ **NOTE:** Available task options are dependent upon the model of your rugged device and hardware configuration; not all options may be available to you.

Table 3. Programmable task options

Task	Description
Move backward	Go backward in a web browser.
Move forward.	Go forward in a web browser.
Open favorites	Open Favorites list in a web browser.
Open home page	Open home page in web browser.
Open search page	Open default search page in web browser.
Refresh page	Refresh web browser page.
Scroll down	Scroll page down.
Scroll up	Scroll page up.
Show/hide tablet PC input panel	Open Windows on-screen tablet input panel (tablets only).
Show/Hide Windows Mobility Center	Open Windows Mobility Center.
Open tablet PC settings	Open Windows Tablet PC Settings panel.
Key combination	Press a user-definable key or key combination such as Alt+4.
Open Windows Action Center	Open Windows Action Center, Windows+A. (Windows 10 only)
Windows Flip	Open Windows Flip, Alt+Tab.
Windows Modern Task Switcher	Open Windows Flip 3D, Windows Key+Tab.
Open Dell Rugged Control Center	Open Dell Rugged Control Center Dashboard.
Turn off display	Switch display on/off (cannot be assigned to virtual buttons).
Toggle display rotation	Toggles between 2x portrait (90 left, 90 right/normal landscape orientation).
Night Mode	Turns display to lowest brightness setting. Pressing again resumes previous backlight settings.

Table 3. Programmable task options

Task	Description
Microphone mute	Switch microphone on/off.
Touch Screen On/Off	Switch touch screen on/off.
Launch program	Opens user-defined program (only files with .exe, .com, .cmd. or .bat file extensions).
Barcode scan	Triggers the barcode scanner Option 1: Data only Option 2: Data+Carriage Return Option 3: Data+Tab Option 4: Toggle presentation mode on or off. These settings are stored in the barcode scanner configuration settings. See Change barcode scanner mode.
Camera control	Triggers the camera, if the camera is not running (Windows 7 only). Click 📷 to open Dell Camera. You can perform the following: ● To take a photo, short press the camera when the camera is in photo mode. If the camera is in video mode, a short press will switch the camera to photo mode. ● To start and stop video recording, long press the camera when the camera is in video mode. ⓘ **NOTE:** You can select the aspect ratio setting to apply for a photo. This setting becomes the default setting. For more information about the camera function in Windows 10, see Using Windows camera.
Flashlight	Toggle Flashlight on/off.
Stealth Mode	Toggle Stealth Mode on/off (cannot be assigned to virtual buttons).
Lock Computer	Lock computer.
Scratch Pad	Allows you to write free flow text and share that as email or save as pdf. ⓘ **NOTE:** This feature requires the Windows 10 operating system. You must have Microsoft Outlook 2013 or later desktop version to share the file as email.

5. To return to the Dashboard, click the right-pointing arrow at the upper left portion of the window.

6. To close the Dashboard, click ‹🖼 at the top of the Ribbon or the ✕ in the upper right of the Dashboard.

Using Windows camera

Perform the following steps to use Windows camera:

1. Launch Dell Rugged Control Center on your tablet or laptop.

2. Click 📷.

3. To take a photo, click 📷.

   ⓘ **NOTE:** By default, the photo mode is selected. In case the camera is in video mode, click 📷 to switch to photo mode.

4. To record a video, click 📹.

Following are the options in video mode:

- To pause or resume the video recording, click ⏸.
- To stop the video recording, click ⏹.

ⓘ **NOTE:** By default, the captured photos and videos are saved along the following path: **C: \Users\user_name\Pictures**.

Using the Global Positioning System in Dell Rugged Control Center

You can view, edit, and configure Global Positioning System(GPS) features using the Dell Rugged Control Center console. From the **GPS** tab you can do the following:

- Access satellite information through dedicated or cellular GPS hardware
- Select the Constellation type
- View your current location using the compass and GPS attributes
- Capture satellite information using the Message log

ⓘ **NOTE:** GPS enables you to discover your current location, but it does not support navigation.

Topics:

- Access GPS

Access GPS

1. Launch Dell Rugged Control Center on your tablet or your laptop.
2. Click 🖳⟩ at the top of the Ribbon.
   The Dell Rugged Control Center Dashboard is displayed.
3. At the top of the Dashboard, click the **GPS** tab.
   The **GPS** window is displayed.
4. Select the **dedicated** or the **cellular GPS hardware** to access the satellite information.
5. Select the **Constellation type** and filter the satellites if required.
6. View your current location using the compass and the GPS attributes.
7. Capture and view the satellite information using the **Message log** option.
   a. Click **Save** to save the message log.
   b. Click **Clear** to clear the message log.
   c. Click **Start log** to start capturing the satellite information in the message log.

View system information in Dell Rugged Control Center

You can view different types of information about your system through the dashboard: the hardware features available on your Rugged device, details about your system's applications and BIOS, and a variety of information about the batteries connected to your tablet or laptop.

Topics:

- Access system information
- Hardware features
- System information
- Battery information

Access system information

1. Click ![icon] at the top of the Ribbon.
   The Dell Rugged Control Center Dashboard is displayed.
2. At the top of the Dashboard, click the **System Information** tab.
   The **System Information** window is displayed.

Hardware features

The Hardware Features section of your Dashboard displays information taken directly from your Rugged device. The features that appear here are dependent upon those features your system supports, and this area reflects each feature's installation status—Not installed or Installed. Some of the features that you may see here include:

- GPS
- Smart card reader
- WWAN
- Fingerprint reader
- WLAN

System information

View information about your device such as:

- Service Tag
- Express Service Code
- System BIOS version
- Dell Rugged Control Center version
- MAC addresses

Battery information

The **Battery Information** section of your **System Information** window displays information about each battery connected to your device.

Table 4. Battery information

Name	Description
Hours of power remaining	*x* hours *x* minutes
Installation status	Installed or uninstalled
Charging status	Charging or not charging
Percent of battery charged	0–100%

Customizing settings in Dell Rugged Control Center

Use Dell Rugged Control Center's settings customization features to configure settings for the application itself, to manage your barcode scanner, and to enable or disable Stealth Mode and Night Mode.

Topics:

Application settings

You can use Dell Rugged Control Center to manage your Ribbon preferences as well as to enable and disable the software launch at system startup.

Set Ribbon and startup preferences

Use the Application Settings window to determine how Dell Rugged Control Center is displayed, and whether or not is automatically launched when you turn on your rugged device.

1. Click [icon] at the top of the Ribbon.
   The Dell Rugged Control Center Dashboard is displayed.
2. At the top of the Dashboard, select **Settings** > **Application Settings**.
   The **Application Settings** window is displayed.
3. Select **Left** or **Right** in the **Ribbon Preferences** section to anchor the Ribbon at the right or left side of your screen.
4. Select **Yes** or **No** in the **Launch at Startup** section to launch Dell Rugged Control Center automatically when you turn on your rugged device.
5. Select **Visible** or **Minimized** in the **RIBBON VISIBILITY AT STARTUP** section to set the ribbon preferences at startup. The administrator can define a key sequence to switch the visibility of the ribbon.

   ⓘ **NOTE:** The hidden option is disabled and is available only to the administrator.

6. Select **Standard** or **Large** in the **Icon Size** section to set the icon sizes in the application.
7. Select **Yes** or **No** in the **Telemetry Capture** section to set the telemetry preference at launch.
8. To close the Dashboard select [icon] at the top of the Ribbon or the [×] in the upper right of the Dashboard.

Keyboard backlight

Set keyboard backlight settings including backlight timeout when on battery power and keyboard intensity from this window of the Dashboard.

Set keyboard backlight color

Set the color of your keyboard backlight.

1. Click [icon] at the top of the Ribbon.
   The Dell Rugged Control Center Dashboard is displayed.
2. At the top of the Dashboard, click the **Settings** tab, and then click the **Keyboard Backlight** tab on the left side of the Dashboard.
   The **Keyboard Backlight** window is displayed.
3. Select a keyboard backlight color to use.

   (i) **NOTE:** You can even customize and set any 2 colors of your choice using the **Set** option available under **Custom Color 1** and **Custom Color 2**.

4. To close the Dashboard, click [icon] at the top of the Ribbon or the [×] in the upper right of the Dashboard.

Set battery timeout and AC timeout periods

To conserve your battery, set your keyboard's backlight battery power timeout period. To determine how long your rugged device can be idle before the keyboard backlight is turned off when connected to AC power, set the AC power timeout period.

1. Click [icon] at the top of the Ribbon.
   The Dell Rugged Control Center Dashboard is displayed.
2. At the top of the Dashboard, click the **Settings** tab, and then click the **Keyboard Backlight** tab on the left side of the Dashboard.
   The **Keyboard Backlight** window is displayed.
3. To set the **Battery Power Timeout** and **AC Power Timeout** period, click one of the available options: `5 seconds`, `10 seconds`, `15 seconds`, `30 seconds`, `1 minute`, `5 minutes`, `15 minutes`, or `Always On`.
4. To close the Dashboard, click [icon] at the top of the Ribbon or the [×] in the upper right of the Dashboard.

Set keyboard backlight brightness and intensity

Setting your keyboard backlight brightness and intensity can save battery power.

1. Click [icon] at the top of the Ribbon.
   The Dell Rugged Control Center Dashboard is displayed.
2. Click the **Settings** tab at the top of the Dashboard, and then click the **Keyboard Backlight** tab on the left side of the Dashboard.
   The **Keyboard Backlight** window is displayed.
3. To set the **Keyboard Intensity** level, click one of the available intensity percentage options. The greater the percentage you select, the more battery power your keyboard backlight uses.

   (i) **NOTE:** Intensity percentage options may vary depending on the model of your rugged device.

4. To close the Dashboard, click [icon] at the top of the Ribbon or the [×] in the upper right of the Dashboard.

Night Mode

Create special settings for your monitor and backlight that you can switch on and off for best visibility in low light conditions.

You can configure and set the Control Center color, keyboard backlight color and intensity, and LCD brightness level using the **Color Choices** tab.

You can even schedule the day and time when you want the Night mode to be active using the **Auto Schedule** tab.

Set the Control Center colors

To set the Control Center backlight color while in Night Mode:

1. Click ⊞ at the top of the Ribbon.
   The Dell Rugged Control Center Dashboard displays.
2. At the top of the Dashboard, click the **Settings** tab, and then click the **Night Mode** tab on the left side of the Dashboard.
   The **Night Mode** window displays.
3. Click the **Color Choices** tab and select a Control Center color to use while in Night Mode.
4. To close the Dashboard, click ⊞ at the top of the Ribbon or the ✕ in the upper right of the Dashboard.

Set keyboard backlight color

Set the color of your keyboard backlight while in Night Mode.

1. Click ⊞ at the top of the Ribbon.
   The Dell Rugged Control Center Dashboard is displayed.
2. At the top of the Dashboard, click the **Settings** tab, and then click the **Night Mode** tab on the left side of the Dashboard.
   The **Night Mode** window is displayed.
3. Click the **Color Choices** tab and select a keyboard backlight color to use while in Night Mode.

   ⓘ **NOTE:** The values for this parameter are fetched from the values set in **Backlight Colors** section available in the **Keyboard Backlight** tab.

4. To close the Dashboard, click ⊞ at the top of the Ribbon or the ✕ in the upper right of the Dashboard.

Set LCD brightness level

Set the LCD brightness level to use while in Night Mode.

1. Click ⊞ at the top of the Ribbon.
   The Dell Rugged Control Center Dashboard is displayed.
2. At the top of the Dashboard, click the **Settings** tab, and then click the **Night Mode** tab on the left side of the Dashboard.
   The **Night Mode** window is displayed.
3. Click the **Color Choices** tab and select the LCD brightness level to use while in Night Mode using the slider control. Move the slider left to decrease the brightness level, and move the slider right to increase the brightness level of the LCD.
4. To close the Dashboard, click ⊞ at the top of the Ribbon or the ✕ in the upper right of the Dashboard.

Set keyboard backlight intensity

To set the intensity level of your keyboard backlight while in Night Mode.

1. Click ⊞ at the top of the Ribbon.
   The Dell Rugged Control Center Dashboard is displayed.
2. At the top of the Dashboard, click the **Settings** tab, and then click the **Night Mode** tab on the left side of the Dashboard.
   The **Night Mode** window is displayed.
3. Click the **Color Choices** tab and select a keyboard intensity level to use while in Night Mode. Choose between 0%, 25%, 50%, 75%, and 100%.
4. To close the Dashboard, click ⊞ at the top of the Ribbon or the ✕ in the upper right of the Dashboard.

Set automatic schedule

To set up an automatic schedule for Night Mode, do the following:

1. Click ⊞ at the top of the Ribbon.

The Dell Rugged Control Center Dashboard is displayed.

2. At the top of the Dashboard, click the **Settings** tab, and then click the **Night Mode** tab on the left side of the Dashboard. The **Night Mode** window is displayed.

3. Click the **Auto Schedule** tab and select the day and time when you want to turn on and off Night Mode.

4. To close the Dashboard, click ◁▣ at the top of the Ribbon or the ✕ in the upper right of the Dashboard.

Stealth Mode

Configure Stealth Mode settings to determine which system functions are disabled when you activate Stealth Mode. Stealth Mode allows you to turn off the display, the LED lights, internal speakers, the fan, and all wireless radios with a single key combination.

ⓘ **NOTE:** This mode is aimed at using the Rugged device in covert operations. When the stealth mode is activated, the device remains functional but will not emit any light or sound.

Turn Stealth Mode on or off

Before activating Stealth Mode, you must have configured the settings described in Modify Stealth Mode settings, and programmed one of the programmable buttons on your rugged device to handle Stealth Mode.

To enable or disable Stealth Mode, touch or click the relevant programmable button to toggle Stealth Mode on and off.

Modify Stealth Mode settings

Before activating the Stealth Mode, you must have programmed one of the programmable buttons on your rugged device to handle Stealth Mode.

To configure the settings that you want to use for Stealth Mode:

1. Launch Dell Rugged Control Center on your tablet or laptop.

2. Click ▣▷ at the top of the Ribbon.
   The Dell Rugged Control Center Dashboard is displayed.

3. At the top of the Dashboard, click the **Settings** tab, and then click the **Stealth Mode** tab on the left side of the Dashboard. The **Stealth Mode** window displays.

4. Select the features that you want to disable when in Stealth Mode:
   ● Speaker level
   ● Fans off
   ● System LEDs
   ● LCD Brightness level—off or custom level
   ● WWAN off
   ● WiFi off
   ● Bluetooth off
   ● GPS off
   ● WiGig off

5. To close the Dashboard, click ◁▣ at the top of the Ribbon or the ✕ in the upper right of the Dashboard.

Barcode scanner

ⓘ **NOTE:** You must have a barcode scanner installed on your rugged device in order to access the configuration settings described in this section.

Change barcode scanner mode

ⓘ **NOTE:** Not all rugged devices support programmable buttons. Configure one of the programmable buttons on your rugged device to handle the barcode scanner before using it to change modes. See your rugged device user's guide for more information.

To toggle between **Presentation Mode** and **Trigger Mode**, touch or click the programmable button you have assigned to handle this feature. While in **Presentation Mode**, the scanner activates and scans when a barcode is brought within scanning distance of the scanning window. While in **Trigger Mode**, you manually activate the scanner and start a scan by pressing a hardware or on-screen button.

Change prefix settings

1. Launch Dell Rugged Control Center on your tablet or laptop.

2. Click ▣› at the top of the Ribbon.
   The Dell Rugged Control Center Dashboard is displayed.

3. At the top of the Dashboard, click the **Settings** tab, and then click the **Barcode Scanner** tab on the left side of the Dashboard.
   The **Barcode Scanner** window is displayed.

4. In the **Prefix Settings** field, enter the characters that you want to prefix the scan filename.

5. To close the Dashboard, click ‹▣ at the top of the Ribbon or the ✕ in the upper right of the Dashboard.

Change suffix settings

1. Launch Dell Rugged Control Center on your rugged tablet or laptop.

2. Click ▣› at the top of the Ribbon.
   The Dell Rugged Control Center Dashboard is displayed.

3. At the top of the Dashboard, click the **Settings** tab, and then click the **Barcode Scanner** tab on the left side of the Dashboard.
   The **Barcode Scanner** window is displayed.

4. In the **Suffix Settings** field, enter the characters that you want to suffix the scan filename.

5. To close the Dashboard, click ‹▣ at the top of the Ribbon or the ✕ in the upper right of the Dashboard.

Windows settings

Dell Rugged Control Center gives you easy access to Windows settings such as pen and touch settings, battery settings, and Control Panel settings.

Change pen and touch settings

1. Launch Dell Rugged Control Center on your tablet or laptop.

2. Click ▣› at the top of the Ribbon.
   The Dell Rugged Control Center Dashboard is displayed.

3. At the top of the Dashboard, click the **Settings** tab, and then click the **Windows** tab on the left side of the Dashboard.
   The **Windows** screen is displayed.

4. Click **Pen and Touch**.
   The **Pen and Touch** settings window is opened.

5. Make any changes to the pen and touch settings that you want to make, then close the settings window.

6. To close the Dashboard, click ‹▣ at the top of the Ribbon or the ✕ in the upper right of the Dashboard.

Change battery settings

1. Launch Dell Rugged Control Center on your tablet or laptop.

2. Click ▣› at the top of the Ribbon.
   The Dell Rugged Control Center Dashboard is displayed.

3. At the top of the Dashboard, click the **Settings** tab, and then click the **Windows** tab on the left side of the Dashboard.
   The **Windows** screen is displayed.

4. Click **Battery Settings**.
   The **Battery Settings** window is opened.

5. Make any changes to the battery settings that you want to make.

6. To close the Dashboard, click ‹▣ at the top of the Ribbon or the ✕ in the upper right of the Dashboard.

Change Control Panel settings

1. Launch Dell Rugged Control Center on your tablet or laptop.

2. Click ▣› at the top of the Ribbon.
   The Dell Rugged Control Center Dashboard is displayed.

3. At the top of the Dashboard, click the **Settings** tab, and then click the **Windows** tab on the left side of the Dashboard.
   The **Windows** screen is displayed.

4. Click **Control Panel**.
   The **Control Panel** window is opened.

5. Make any changes to the your device settings that you want to make, and then close the **Control Panel** window.

6. To close the Dashboard, click ‹▣ at the top of the Ribbon or the ✕ in the upper right of the Dashboard.

GPS

You can enable or disable dedicated or cellular GPS modules and enable the desired COM port.

To enable or disable dedicated or cellular GPS hardware:

1. Click ▣› at the top of the Ribbon.
   The Dell Rugged Control Center Dashboard is displayed.

2. At the top of the Dashboard, click the **Settings** tab, and then click the **GPS** tab on the left side of the Dashboard.
   The **GPS** settings window is displayed.

3. Click **Connect** or **Disconnect** to enable or disable dedicated or cellular GPS modules.

4. Select the desired **COM port** for programmatic access.

5. Select the **Advanced Settings** option available for dedicated GPS module to configure the main constellation ID, Baud rate, reset the GPS hardware, and restore the default GPS settings.

6. To close the Dashboard, click ‹▣ at the top of the Ribbon or the ✕ in the upper right of the Dashboard.

Antenna switch

Using the antenna switch settings, the system administrator can select the pass-through option for up to two external antennas. Once configured, only the selected options are viewable by the user. The following options are available:

- System Only
- WLAN
- WWAN
- GPS
- WLAN and WWAN
- WLAN and GPS
- WWAN and GPS

ⓘ **NOTE:** This functionality is only applicable to Latitude 12-7220 Rugged Extreme in Windows 10.

Set antenna switch

To set the antenna pass-through option:

1. Click ▣› at the top of the Ribbon.
   The Dell Rugged Control Center Dashboard is displayed.
2. Click the **Settings** tab at the top of the Dashboard, and then click the **Antenna Switch** tab on the left side of the Dashboard.
   The **Antena Switch** window is displayed.
3. Select one of the following external antenna pass-through options:
   - System Only
   - WLAN
   - WWAN
   - GPS
   - WLAN and WWAN
   - WLAN and GPS
   - WWAN and GPS

   ⓘ **NOTE:** By default, System Only is selected.

Using the Admin tab in Dell Rugged Control Center

Accessing Admin tab features

You can view and configure the features available in the **Admin** tab.

The **Admin** tab is disabled under normal operation of the Dell Rugged Control Center. To enable this tab, the administrator must launch the application with the `admin` parameter. To launch Dell Rugged Control Center, with the admin parameter, enter `RuggedControlCenterUI admin` or `RuggedControlCenterUI options` at the command line, or hold down Alt+Ctrl+A. The admin feature is available when a red box is displayed around the Ribbon. This feature is disabled when the administrator closes the application.

In Windows 10, the administrator can configure the system to open in Kiosk mode, which enables a single application to use the entire desktop space and prevents access to the Taskbar, Start menu and so on. After configuration, Dell Rugged Control Center detects the Kiosk mode and automatically hides the ribbon. The administrator can use the visibility keys to switch the ribbon. To set the combination to switch the ribbon, provide the keyboard combination in the **Keyboard Combination to Toggle Ribbon** section and select **Set**. For example, use **Alt+Shift+R** to switch between visible and hidden modes.

The administrator can also hide the ribbon at startup by selecting the option **Hidden** in the **Application Settings** section, hiding the ribbon from the user, but enabling the programmable buttons to function.

(i) **NOTE:** The administrator does not need to log in to the system with administrator privilege to use the admin feature.

Using Dell Rugged Control Center, a system administrator can enable or disable an individual user's access to certain configuration settings. See the following table for more information:

Table 5. Features and descriptions

Setting Control	Description
Ribbon	Ribbon settings
Control	Controls on the dashboard
Quick Launch	Quick launch on dashboard settings
Programmable Button	Programmable button settings
BarCode	Barcode scanner settings
Night Mode	Night mode settings
Kiosk Mode	Configure Dell Rugged Control Center to use the entire desktop
Application Settings	Application Settings panel
Keyboard Backlight	Keyboard backlight settings (i) **NOTE:** Administrator can disable the settings page, but cannot unify the keyboard backlight settings.
Stealth	Stealth mode settings (i) **NOTE:** Administrator can disable edit page, but cannot unify the Stealth mode settings.
GPS	GPS settings.

Features are enabled or disabled by setting values in the policy file. In previous versions of Dell Rugged Control Center, these controls are handled in the Registry, but with version 2.3 and later, these controls are part of the admin profile .JSON file. See the following table for more information about the setting values:

Table 6. Setting values and descriptions

Values	Description
Editable or 0	Specifies that you can control this section.
Locked or 1	The administrator provides the configuration for the section, and you cannot revise.
Preset or 2	The administrator provides the configuration for the section, but you can edit it at any time.

Appendix: Using the Dell Rugged Control Center Group Policy Function

Using the group policy function, system administrators can apply user policies and controls to limit user access to features and configurability.

Topics:

- Profiles, icons, and files
- Available candidate items according to limit

Profiles, icons, and files

Based on Registry, detailed settings for each feature is designated by the file `it_admin_profile.json` except for keyboard backlight and Stealth Mode.

Follow these steps to create and distribute `it_admin_profile.json`:

1. Start the Dell Rugged Control Center application with the following command from the command line: `RuggedControlCenterUI admin`. On any computer, edit icons or settings as desired. Exit the application using the application systray icon and choosing **Exit**. This creates the file `dist_profile.json` in the install directory. The path of the administrator user profile is:
`C:\Users\<user>\AppData\Local\Packages\DellInc.DellRuggedControlCenter_htrsf667h5kn2\LocalCache\Roaming\Dell\RCC`.

2. Rename dist_profile.json to it_admin_profile.json. This is the file that will be distributed remotely to the install directory
`(C:\Users\<user>\AppData\Local\Packages\DellInc.DellRuggedControlCenter_htrsf667h5kn2\LocalCache\Roaming\Dell\RCC)`.

3. If there are customized open App/items added by "Browser" and the target is a file:

   a. Edit target file path in profile (FilePath), and make sure these are same files with absolutely the same path and name on all target machines. Or the admin should distribute corresponding files to target machines. Any folder is OK as long as it can be accessed by a user. For example:
      - C:\RCC\RCC Refactor.pptx
      - C:\Program Files\Dell\Dell Rugged Control Center\RCC Refactor.pptx
      - C:\ProgramData\Dell\Dell Rugged Control Center\RCC Refactor.pptx

   b. Edit icon path in profile (IconPath) and distribute corresponding icon files to all target machines with the same path and name. Any folder is OK as long as it can be accessed by a user. For example:
      - C:\Program Files\Dell\Rugged Control Center\Images\e2899436-3e78-4e5e-b0af-e41eca0d657f.ico
      - C:\ProgramData\Dell\Dell Rugged Control Center\Images\e2899436-3e78-4e5e-b0af-e41eca0d657f.ico

   Sample of customized open App/item in user profile (Note: please input double "\" as path separator):

```
{"Name":"RCC Refactor.pptx","UniqueID":"e2899436-3e78-4e5e-
b0af-e41eca0d657f","FilePath":"C:\\Leo\\RCC\\RCC
Refactor.pptx","IconPath":"C:\\Users\\chao_liu5\\AppData\\Roaming\\Dell\\RCC\\Images\
\e2899436-3e78-4e5e-b0af-e41eca0d657f.ico"}
```

4. Distribute it_admin_profile.json to all target machines into the following folder and keep its name: C:\Program Files\Dell\Rugged Control Center\it_admin_profile.json

5. Distribute all target files and icon files according to the changes made in it_admin_profile.json

Available candidate items according to limit

If a certain feature is limited by the admin, it does not mean all candidate items will be replaced by the admin's settings because some items are shared between several features, such as URL, key macro, and open app/items.

Table 7. Candidate items

Candidate items	User items only	Admin items only	User and admin items
URL	None of the following features are limited by the administrator: ● Quick launches ● Programmable buttons ● Ribbon	All of the following features are limited by the administrator: ● Quick launches ● Programmable buttons ● Ribbon	Not all of the following features are limited by the administrator: ● Quick launches ● Programmable buttons ● Ribbon
Key Macro	None of the following features are limited by the administrator: ● Programmable buttons ● Ribbon	All of the following features are limited by the administrator: ● Programmable buttons ● Ribbon	Not all of the following features are limited by the administrator: ● Programmable buttons ● Ribbon
Open App/Item	None of the following features are limited by the administrator: ● Quick launches ● Programmable buttons ● Ribbon	All of the following features are limited by the administrator: ● Quick launches ● Programmable buttons ● Ribbon	Not all of the following features are limited by the administrator: ● Quick launches ● Programmable buttons ● Ribbon

Memo

If there are Registry values without `it_admin_profile.json`, the default settings are applied to the limited features.