DashON Utility
User's Manual
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About This Manual

The DashON Utility User’s Manual provides instruction for qualified personnel to follow when setting up a new DashON Utility device.

This document is intended for use by qualified personnel to compliment the training and expertise, not to replace it.

Related Information

Current information and manuals are available for download at the following website:
http://www.ruggon.com

Conventions

Bolded or underlined text is used to emphasize the designated information.

- A Note is used to provide additional information for the device or settings.
- A Caution is used to warn against potential hazards or to caution against unsafe practices.
- A Warning is used to identify immediate hazards for property damage, injury or death.
Chapter 1. Using the DashON Utility

Overview

The DashON resident program is designed to provide near-instant access to your device’s settings and configuration within a single, easy to use interface. The following information illustrates and describes the various settings available for configuration through the DashON menus.

Important: Do not terminate or remove the DashON program manually or the ambient light sensor and the function buttons will be malfunction.

For RF settings (Airplane mode, Bluetooth, Wi-Fi, Mobile Broadband), please enable and disable from DashON consistently.

Available functions are dependent on tablet model and operating system.

<table>
<thead>
<tr>
<th>Function</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>EXIT</td>
<td>Minimize DashON and return to the desktop.</td>
</tr>
<tr>
<td>Button Lock</td>
<td>Lock or unlock all the physical buttons except Power button.</td>
</tr>
<tr>
<td>Screen Auto Rotate</td>
<td>Disable or enable screen auto rotate function.</td>
</tr>
<tr>
<td>Airplane</td>
<td>Turn on or off the airplane mode.</td>
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<tr>
<td>Battery</td>
<td>Shows the battery level or charging status.</td>
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<tr>
<td>Brightness</td>
<td>Adjust brightness level and enable or disable auto brightness function.</td>
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<tr>
<td>Volume Control</td>
<td>Adjust volume level and enable or disable mute function.</td>
</tr>
<tr>
<td>GNSS</td>
<td>Disable or enable GNSS function.</td>
</tr>
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</table>
### Using the DashON Utility

<table>
<thead>
<tr>
<th>Function</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wi-Fi</td>
<td>Disable or enable Wi-Fi function.</td>
</tr>
<tr>
<td>Bluetooth</td>
<td>Disable or enable Bluetooth function.</td>
</tr>
<tr>
<td>Mobile Broadband</td>
<td>Disable or enable mobile broadband function.</td>
</tr>
<tr>
<td>Touch Screen Lock</td>
<td>Lock or unlock the touch screen.</td>
</tr>
<tr>
<td>ECO Mode</td>
<td>Disable or enable ECO mode to save battery life when using the device.</td>
</tr>
<tr>
<td>Power Plan</td>
<td>Manage how your tablet uses power.</td>
</tr>
<tr>
<td>Info Viewer</td>
<td>View system specifications. The menu is for display only.</td>
</tr>
<tr>
<td>Display Switch</td>
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</tr>
<tr>
<td>Pass-through Switch</td>
<td>Switch the usage of internal antenna or external antenna on vehicle docking</td>
</tr>
<tr>
<td>Button Setting</td>
<td>Pre-defined functions settings. Supports function button customizing.</td>
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</tbody>
</table>

**Button Lock**

PM-522 has a Lock button for this function, too. Short press the Lock button to lock or unlock buttons (except Power and Lock buttons); long press the Lock button to lock or unlock touch screen.

The Button Lock function disables or enables the use of the physical buttons except Power button. Tap to enable or disable the function.

![Button Lock](image)

**Figure 2. Button Lock**
**Screen Auto Rotate**

The Screen Auto Rotate function disables or enables the auto screen rotation when the device is being rotated. Tap to enable or disable the function.

![Figure 3. Screen Auto Rotate](image)

**Airplane Mode**

The Airplane function disables or enables Airplane Mode. While in Airplane Mode, bluetooth, Wi-Fi and mobile broadband will be disabled and GNSS will keep at original on/off status. Tap to enable or disable the function.

![Figure 4. Airplane Mode](image)
**Battery**

Shows the battery level or charging status. The icon depends on your tablet.

![Figure 5. Battery](image)

**Brightness**

The Brightness function disables or enables the auto brightness function. Tap to enable or disable the function. The slide bar or the icons allow for manual adjustment of the brightness setting.

![Figure 6. Brightness](image)
Using the DashON Utility

**Volume Control**

The Volume Control function disables or enables the mute function. Tap to enable or disable the function. The slide bar or the icons allow for manual adjustment of the volume level.

![Figure 7. Volume Control](image)

**GNSS**

The GNSS function disables or enables the Global Navigation Satellite System module. Tap to enable or disable the function.

![Figure 8. GNSS](image)
**Wi-Fi**
The Wi-Fi function disables or enables Wi-Fi module. Tap to enable or disable the function.

![Figure 9. Wi-Fi](image)

**Bluetooth**
The Bluetooth function disables or enables bluetooth module. Tap to enable or disable the function.

![Figure 10. Bluetooth](image)
Using the DashON Utility

**Mobile Broadband**

The function is only available when WWAN module is installed.

The Mobile Broadband function disables or enables mobile broadband module. Tap to enable or disable the function.

![Figure 11. Mobile Broadband](image)

**Touch Screen Lock**

For models with digitizer, when locking touch screen, digitizer still work normally.

The Touch Screen Lock function disables the touch functionality on the screen. Tap to enable the function.

![Figure 12. Touch Screen Lock](image)
To resume touch functionality, long press assigned physical button (PA-501/PM-521/PX-501: Fn; PM-522: Lock) until the Touch Screen Unlocked screen displays.

**ECO Mode**

The function is only available for Windows models.

The ECO Mode provides three states: On, Auto, and Off, to help in battery life management.
Using the DashON Utility

Tap **On** to enable the mode whenever the device is turned on.

Tap **Auto** to allow the utility to select periods of inactivity to power down. In Auto mode, presets can be assigned to designate when the device automatically enters ECO mode.

When Auto is selected and ECO mode is on, if power is connected, the system will lift ECO mode.

Tap **Off** to disable the ECO Mode.

Tap **Back** to return to the main menu.

*Figure 15. ECO Mode Menu*
Power Plan

The function is only available for Windows models.

The Power Plan provides settings to manage how the device uses and conserves power. A power plan can be setup to maximize the device performance, save energy or balance energy conservation with performance.

Figure 16. Power Plan
Using the DashON Utility

Modify the On Battery, In Charge, or ECO Mode states to define the power scheme best suited to your needs.

To modify the power plan, tap the drop-down menu of the relevant setting, then tap Save to create the new power plan scheme. Alternatively, tap Cancel to return to the previous screen without saving.

![Power Plan Menu](Figure 17. Power Plan Menu)

- **Windows 8 without the Dim Display To Lower Level function.**

**Info Viewer**

The Info Viewer displays the system’s hardware specifications.

Tap to display system information. The setting is for display purposes only.

![Info Viewer](Figure 18. Info Viewer)
**Display Switch**

The function is only available for Windows models.

The Display Switch function supports four types of display options:

- View desktop on main display
- View desktop on main display and show extended display
- Duplicate both displays
- View desktop on extended display.

*Figure 19. Display Switch*

*Figure 20. Display Switch Menu*
Using the DashON Utility

**Pass-through Switch**

This function is only available on the models with pass-through connector. This function is only available when tablet is well connected to vehicle docking, see “Bottom View” at user manual. GPS, WWAN and Wi-Fi settings are available once the optional RF antenna is connected.

The external antenna can be selected two from WWAN, Wi-Fi or GPS.

![Pass-through Switch](image)

*Figure 21. Pass-through Switch*

Ext. 1: Wi-Fi and GPS are exclude.
Ext. 2: Wi-Fi and WWAN are exclude.
Ext. 1 Wi-Fi and Ext. 2 Wi-Fi are exclude.

![Pass-through Switch Menu](image)

*Figure 22. Pass-through Switch Menu*
The system may display an error when an incompatible external GPS antenna is detected or setup is not completed after selecting GPS on Ext. 1.

Possible solutions for this issue are as follows:

- Tap OK: The system reverts to the use of the built-in GPS antenna.
- At this time do not tap OK. See a possible solution as follows:
  - Remove and re-connect the external antenna. If a connection is established, the error no longer displays.
  - Remove the current external GPS antenna and replace it with a different one. If a connection is established, the error no longer displays. The original GPS antenna may not be compatible or is malfunctioning.

![Figure 23. GPS Failed](image)

Display status delay is normal when detecting an external GPS antenna.
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**Button Setting**

The physical function buttons are configured with pre-defined commands. However, the buttons can be configured to open any number of executable commands. In combination with the Fn key, the function buttons can trigger more commands.

*Fn key depends on your tablet.*

**Figure 24. Button Setting**

Select the function key to define and tap the drop-down menu to choose from a pre-defined list of commands.

Alternatively, tap **Other** to select a specific executable file to attach to the function key.

Additional shortcuts can be created by enabling the Fn + button. This allows the creation of a second set of short cuts available by pressing Fn + Function Button.

**Figure 25. Button Setting Menu**
Update DashON Utility

1. Remove the DashON utility from your tablet.
2. Tablet online: Download the latest version of DashON utility from RuggON.
   or
   Tablet doesn’t online: Download the latest version of DashON utility from RuggON and use USB device to install.
3. Use Windows explorer or the Windows Run command to execute the setup program.
4. Once the DashON Setup Wizard screen displays, tap **Next** to proceed with the installation.

![DashON Installation 1 of 4](image1)

**Figure 26. DashON Installation 1 of 4**

5. Tap **Install** to continue or **Cancel** to stop the installation.

![DashON Setup Wizard 2 of 4](image2)

**Figure 27. DashON Setup Wizard 2 of 4**
Using the DashON Utility

The DashON Setup continues and a status screen displays.

![DashON Setup Wizard 3 of 4](image)

Figure 28. DashON Setup Wizard 3 of 4

6. Once the installation of the package is finished a DashON Utility screen displays. Tap **Finish** to conclude the process and exit the DashON Setup Wizard.

![DashON Setup Wizard 4 of 4](image)

Figure 29. DashON Setup Wizard 4 of 4