|  |
| --- |
| Function Keys Utility Spec V1.11 |

1. Introduction

The Function keys utility is a Microsoft Windows 7 Application program. It provides a very simple way to call function. It will run and show at notification area  automatically when Windows 7 starts up.

1. Guide
   * 1. Show “function keys menu bar”.

Press the tray  calls the function key menu bar.

* + 1. Hide “function keys menu bar”.

Press the tray  hides the function key menu bar.

* + 1. Menu Bar Mapping

Windows 7 Starter



Volume HDMI Brightness Wireless Keyboard

Other Windows 7 Version



Volume HDMI Brightness Wireless Rotation

* + 1. Click one of the icons to call target function. The icon would be suffused with a hazy, atmospheric glow.

1. Volume
   * 1. Click the “Volume” icon of menu bar to show volume bar.



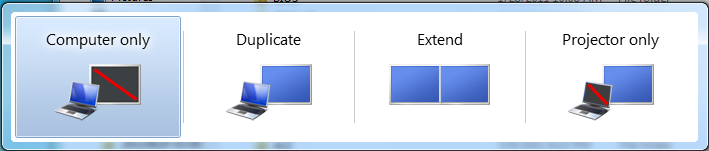
Mute |< Value Bar >|

* + 1. Click “Mute” icon to change the status of volume.

 - Un-mute status,  - Mute status

* + 1. Drag or click “Value Bar” will be able to adjust the volume.

1. HDMI Switch
   * 1. Click the “HDMI Switch” icon of menu bar to show Window’s Display Selector Menu.

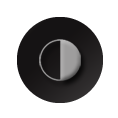


* + 1. OS will not change to target mode if user has changed target mode and have not plugged external monitor.

1. Brightness
   * 1. Click the “Brightness” icon of menu bar to show Brightness Bar.



Mode |< Value Bar >|

* + 1. Click “mode” icon to change which mode is the Light-Sensor on/off in Brightness Bar.  - Manual mode,  - Auto mode
    2. Drag or click “Value bar” will be able to adjust the value of brightness in manual mode.

But user can’t able to adjust the value of brightness in auto mode.

* + 1. Light-Sensor mode.
       1. The default mode of Light Sensor is disabled from Power to Enter Windows 7 OS.
       2. The OS can’t keep last brightness level in auto mode.
       3. The mode will follow last setting by reading EC.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Cold boot | Warm boot | S3 | S4 |
| Light Sensor Mode | Keep Last State | | | |
| Brightness Level | Set Value by Light Sensor/Operating System | | | |

* + 1. Brightness level and PWM duty.

In Manual mode, OS & Utility provide 8 levels for brightness.

1. Wireless
   * 1. Click the “Wireless” icon of menu bar to show Wireless Selector Frame.
     2. Provide three devices in Wireless Selector Frame.
        1. Click one of items to switch device in Wireless Selector Frame.
        2. It is enabled if the background color of item is gray.
        3. It is disabled if the background color of item is white.

|  |
| --- |
| Items |
| Bluetooth |
| Wifi |
| 3G |

* + 1. The default status of wireless.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Default | Cold boot | Warm Boot | S3 | S4 |
| wireless | On | Default | | Keep Status | |

* + 1. Device on/off silent time is 3sec.

1. Keyboard
   * 1. Click the “Keyboard” icon of menu bar to show On-Screen Keyboard.
     2. The button only appears on Windows 7 Starter.
2. Rotation
   * 1. Click the “Rotation” icon of menu bar to enable/disable Auto Rotation Screen.

 - Enable Rotation Screen,  - Disable Rotation Screen

* + 1. Rotation table
       1. The ST Sensor Control Panel setting and the Utility setting are synchronous to enable rotation screen.

|  |  |  |
| --- | --- | --- |
| ST Sensor Control Panel | Utility | Rotation Screen |
| Enable | Enable | Enable |
| Disable | Disable |
|
| Disable | **Disable, Don’t allow switching** |
|
|
|

* + - 1. The “Rotation Item” would be controlled by detecting “WebCam Companion” (WCC).

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Utility | WCC/On | Rotation Screen | WCC/Off | Rotation Screen |
| Enable | **Disable, Don’t allow switching** | Disable | Enable | Enable |
| Disable | Disable | Disable |

* + 1. It does not include PopupApp\_Acc.exe from version 1.01.

Please install newest ST driver.

1. SAR
   * 1. SAR app is always hidden. It only executes when 3G connection on.

|  |  |  |
| --- | --- | --- |
| 3G | | SAR app |
| Connection | On | Enable |
| Off | Disable |
| None | **Disable, Don’t allow.** |

* + 1. SAR does not allow multi-executing.
    2. SAR can execute/exit automatically by detecting 3G network.
    3. When power state changed, SAR app will close and return until 3g connecting.
    4. Remain SAR status by detecting 3G every 100s.

1. Warning message
   * 1. Title for this message box: Warning
     2. Recommended description: System will enter sleep mode in 1 minute to avoid overheating.
     3. Add a standard warning icon before the message.

