Configuration of Busylight settings (Windows)

Busylight has predefined color settings for presence states with the colors:

Color	Description
Red	Busy or On a call
Green	Available
Purple	Do not disturb
Blue	Ringing or IM alert
Yellow	In a meeting

The predefined color values and their dynamic behavior can be changed via registry keys. These keys are stored in the path HKCU\Software\Busylight and can be changed or added via registry keys, or centrally via group policies. Changes may also be applied after installation of the Busylight software.

After changing the values in the registry, Busylight has to be reset or restarted.
The easiest way is to click the Busylight icon in the Windows systray and choose “Reset Busylight“.

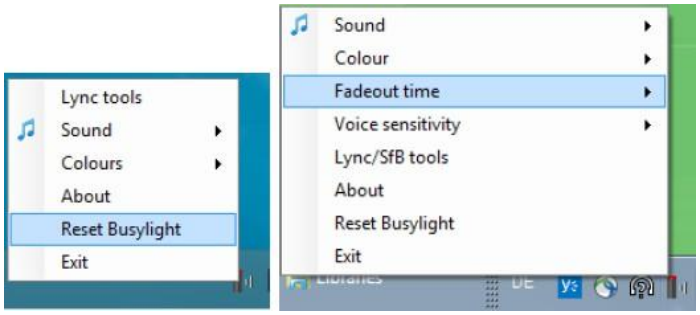


Figure 1: Tray app menu (left with Busylight only, right with Kuando Box and Busylight)

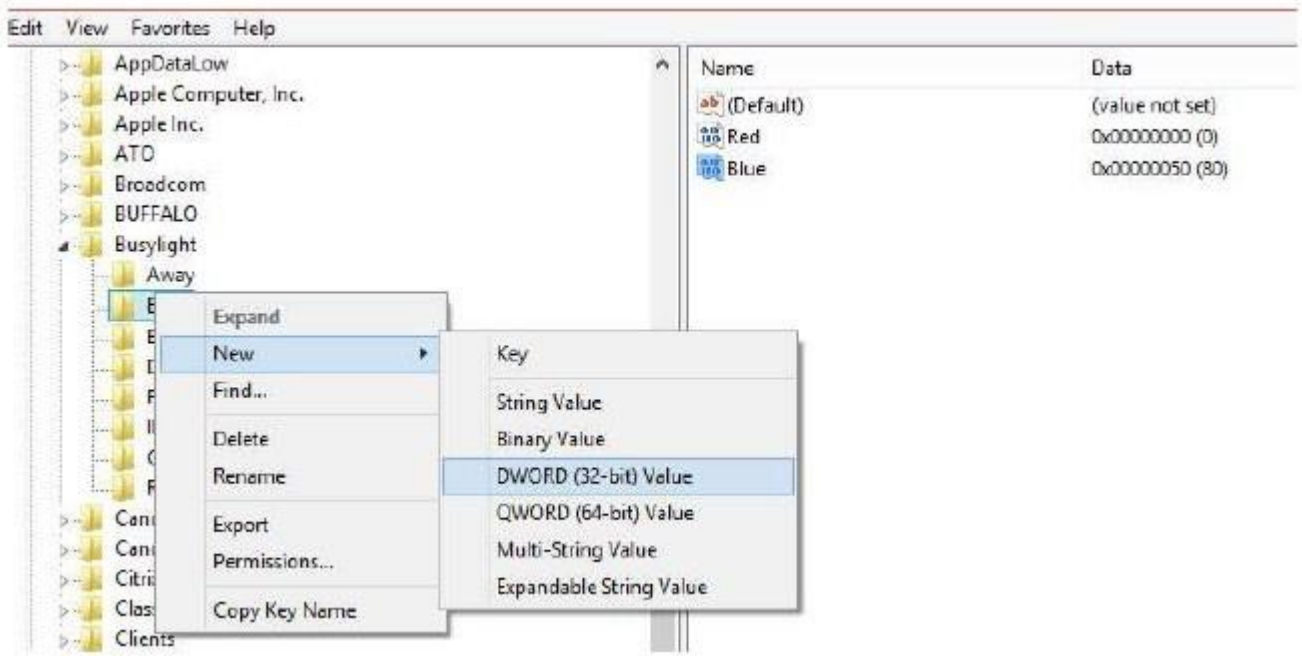
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Example: Changing “Busy” from Red to Blue

The registry keys allow you to control the values of the Red, Green and Blue (RGB) colors in the Busylight LED light (the allowed range is 0-100 as percent in decimal).

To open Registry Editor, run regedit in Windows.
To change the colour for Busy (see screenshot below):

1. Insert two new DWORD values named “Red” and “Blue”.
2. Set Red to 0 (to cancel default value).
3. Set Blue to e.g. 50 (percent).



You can also mix the basic colors to create new ones, e.g. Purple is a mix of Blue (value: 60), Green (value: 40) and Red (value: 1).

To get a unified color scheme within an organization, it is recommended to distribute the changed configuration via group policies.

Table of default values

The following table contains all registry keys, which are used by Busylight, along with the default values if the key does not exist:

Registry Key		Data type	Description	Default Value (Decimal)	New Default V 3.0
Away	Blue	DWORD	Blue value for „Away“,	0	0
	Green	DWORD	Green value for „Away“	18	100
	Red	DWORD	Red value for „Away“	16	89
Busy	Blue	DWORD	Blue value for „Busy“	0	0
	Green	DWORD	Green value for „Busy“	0	0
	Red	DWORD	Red value for „Busy“	50	100
BusyInACallColor		STRING	„Pulse“ or „Red“	„Pulse“	„Pulse“
BusyInCallSequence	Step1	DWORD	Color intensity for „on the phone“, Step 1	7	14
	Step2	DWORD	Color intensity for „on the phone“, Step 2	21	42
	Step3	DWORD	Color intensity for „on the phone“, Step 3	36	72
	Step4	DWORD	Color intensity for „on the phone“, Step 4	50	100
	Step5	DWORD	Color intensity for „on the phone“, Step 5	36	72
	Step6	DWORD	Color intensity for „on the phone“, Step 6	21	42

Registry Key		Data type	Description	Default Value (Decimal)	New Default V 3.0
	Step7	DWORD	Color intensity for „on the phone“, Step 7	10	20
BusyInCallSequence	Red	DWORD	Red value for „on the phone“	50	100
	Green	DWORD	Green value for „on the phone“	0	0
	Blue	DWORD	Blue value for „on the phone“	0	0
Free	Blue	DWORD	Blue value for „Available“	0	0
	Green	DWORD	Green value for „Available“	50	100
	Red	DWORD	Red value for „Available“	0	0
DoNotDisturb	Blue	DWORD	Blue value for „Do not disturb“	60	100
	Green	DWORD	Green value for „Do not disturb“	1	2
	Red	DWORD	Red value for „Do not disturb“	40	67
Ringing	Blue	DWORD	Blue value for „Ringing“	100	100
	Green	DWORD	Green value for „Ringing“	0	0
	Red	DWORD	Red value for „Ringing“	0	0
Off	Blue	DWORD	Blue value for „Offline“	0	0
	Green	DWORD	Green value for „Offline“	0	0
	Red	DWORD	Red value for „Offline“	0	0
IMAlert		DWORD	Flag for IM alert (0 or 1)	1	1
	Blue	DWORD	Blue value for „new IM“		

	Green	DWORD	Green value for „new IM“		
	Red	DWORD	Red value for „new IM“		
IMAlertWithSound		DWORD	Flag for IM alert with sound	0	0
IMVolume		DWORD	overrides „Volume“ for IM alerts	n/a	n/a
MissedCallNotification		DWORD	0 (Default): off 1: on, blue blinking signal on missed calls	0	0
SoundClip		DWORD	Index of ringtone for calls (1…8)	1	1
Volume		DWORD	Volume of ringtone for calls	75	75

Version 3.0 includes support for Kuando Box and Busylight Omega (large Busylight). There are special registry keys for these models.

Registry Key	Data type	Description	Default Value (Decimal)
KuandoboxFadeoutTime	DWORD	Stores selected value of Fadeout time (timeout after voice detection) in seconds (menu options: 4 (default), 10 or 20	4
KuandoboxSensivity	DWORD	Voice sensitivity value of KuandoBox (for adaption to different handset voice levels). 0: Minimal sensitivity (default) 1: Medium sensitivity, 2: Maximum sensitivity	0

The following table contains all registry keys used for the Lync Tools plugin (choose Lync Tools in Busylight menu).

Registry Key	Data type	Description	Default Value (Decimal)
HotKeyDialOutMod	DWORD	Modifier for function key „Fast dialout“	-
HotKeyDialOuKey	DWORD	Function key for „Fast dialout“	-
HotKeyAcceptMod	DWORD	Modifier for function key „accept call“ or „drop call“ , resp.	-
HotKeyAcceptKey	DWORD	Function key for „accept call“ or „drop call“ , resp.	-
BusyOnBusy	DWORD	Flag for call forwarding on Busy	0
SwitchDisplayOn	DWORD	Flag for switch on display on incoming contact	1
NoWarnOnDoubleLync	DWORD	Warning message can be switched off, when both Lync 2010 and 2013 clients are installed	0
FastDialoutWithCtrlC	DWORD	Fast Dial hotkey shall emulate Ctrl-C to copy mouse selection into clipboard. Set to “0” when conflicting with other applications.	1
FonComfortInvisible	DWORD	0: Lync-Tools visible and changeable (default) 1: Lync-Tools invisible 2: Lync-Tools Read Only	0

The following table contains special registry keys:

Registry Key	Data type	Description	Default Value (Decimal)
FonComfortInvisible	DWORD	Visibility mode for Lync tools: 0: Lync tools visible and changeable 1: Lync tools invisible and deactivated 2. Lync tool configuration read-only	0
SDKLogLevel	DWORD	Log level for USB communication 0: no messages 1: verbose logging	0

Predefined settings via Group policy

Since Version 3.2 it is possible to predefine Corporate standards on any setting via group policy. The Busylight tray app checks the *Software\Policies\Busylight* sections for existence of any of the registry keys listed in the previous chapter.

If a setting is found in the Policies sections, it will override any user setting and disable the corresponding user menu items. Users can still see the predefined settings, but not change them.

Upon application start, the registry sections will be checked in this order:

1. *HKEY_LOCAL_MACHINE\Software\Policies\Busylight*
2. *HKEY_CURRENT_USER\Software\Policies\Busylight*
3. *HKEY_CURRENT_USER\Software\Busylight*
4. *HKEY_LOCAL_MACHINE\Software\Busylight*

The first value found in this order will be applied. If nothing is found in the registry, Busylight applies the intrinsic default values defined in the previous chapter.

Changes of group policy values will be applied on the fly without need of restarting the software.

This software package contains registry files as sample for the convenience of the system administrators.

Remark: option “2” for registry key FonComfortInvisible will be deprecated in a future release because the same functionality can be achieved with the Policies registry keys.

To apply a policy to users it can be published using this powershell command from the server:

Invoke-GPUpdate –Computer <computername> -Force -RandomDelayInMinutes 0

Or, from the client PC:

GPUpdate /force

Silent installation and deinstallation

The software is provided as a default MSI installer that supports the native installer flags, it is installed into the Program Files folder or the Program Files(x86) folder on the PC, depending on the OS and software architecture.

Installation examples using the command line:

Unattended install:

msiexec /i Setup-Busylight.msi /quiet

Unattended and logged install:

*msiexec /i Setup-Busylight.msi /l*v "installer.log" /quiet*

Unattended uninstall using the MSI file:

msiexec /x Setup-Busylight.msi /quiet

Unattended uninstall using the ProductCode:

msiexec /x {product_guid_here}

Example GUID {DB45D436-DDA1-48EF-9EA8-3B3155ACC204}

msiexec /x {DB45D436-DDA1-48EF-9EA8-3B3155ACC204}

To get the GUID prior to installation it is possible to open the MSI using Orca, else the GUID is presented in the registry in one of the following locations when the software has been installed, the subkeys located there are the actual GUID value:

Computer\HKEY_LOCAL_MACHINE\SOFTWARE \Microsoft\Windows\CurrentVersion\Uninstall

Computer\HKEY_LOCAL_MACHINE\SOFTWARE\WOW6432Node\Microsoft\Windows\CurrentVersion\Uninstall

Hint: the entire uninstall command is stored in the UninstallString property under each subkey.