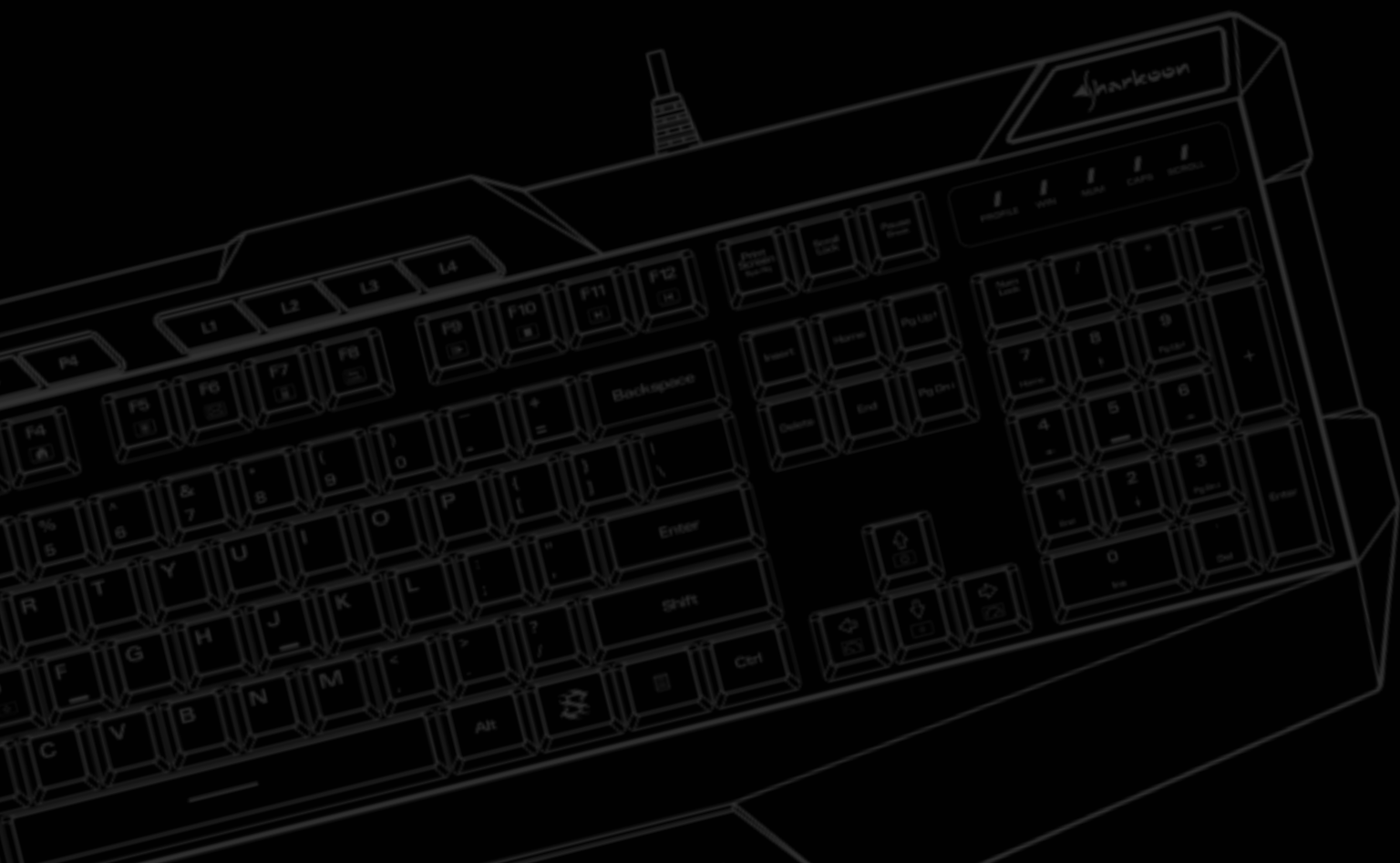




# SKILLER SGK4

MANUAL



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# 1. Specifications

## 1.1 General

Type	Gaming Keyboard
Switch Technology	Rubber Dome
Illumination	RGB, 6 Zones
Adjustable Illumination	✓
Lighting Effect	✓
Max. Polling Rate	1,000 Hz
Gaming Mode	✓
Block	3-Block Layout
Weight incl. Cable	955 g
Dimensions (L x W x H)	472 x 212 x 43 mm
Supported Operating Systems	Windows 7/8/10

## 1.2 Key Properties

Profile Keys	✓
Function Keys with Preset Multimedia Actions	✓
Anti-Ghosting Keys	✓
N-Key Rollover Support	✓
Arrow Keys Functions are Interchangeable with the WASD Section	✓
Operating Life Cycles of Keys	Min. 10 Million Keystrokes



# 1. Specifications

## 1.3 Cable and Connectors

Connector	USB
Textile Braided Cable	✓
Cable Length	180 cm
Gold-Plated USB Plug	✓

## 1.4 Software Properties

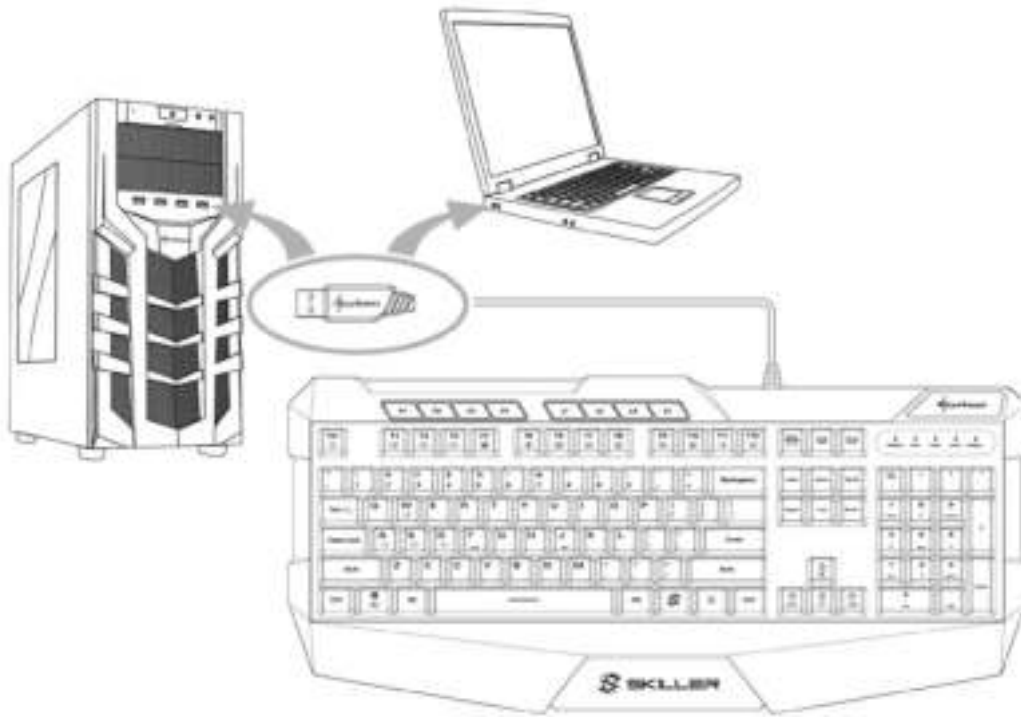
Gaming Software	✓
Individually Configurable Key Functions	✓
Number of Profiles	4
Onboard Memory for Game Profiles	✓
Capacity of Onboard Memory	256 kb

## 1.5 Package Contents

- SKILLER SGK4
- Manual



## 2. Installation



## 3. Overview

### Function Keys with Preset Multimedia Actions

 + 	Mute	 + 	Calculator
 + 	Volume Up	 + 	Play/Pause
 + 	Volume Down	 + 	Stop
 + 	Web Browser	 + 	Next Track
 + 	My Computer	 + 	Previous Track
 + 	E-mail		

### Address Functions

 + 	Changes WASD and Arrow Keys
 + 	All Keys Locked
 + 	Windows Key Locked
 + 	Reset to Factory Default

EN

### Illumination Adjustments

 + 	Frequency-
 + 	Frequency+
 + 	Brightness+
 + 	Brightness-

### Profile and Illumination Keys

	Game Profile 1 - 4
	Lighting Effects





### 3.1 Profile Keys

Game profiles can be activated with the keys P1 to P4. Game profiles contain all the settings of the gaming software. These include reassignments of keys, illumination settings, the chosen behavior of the windows key as well as the preferred polling rate and the key response time. Macros are created independently of the game profiles, but each macro can be used for any of these profiles.

The profile LED above the number block indicates which game profile is active. When profile P1 is active, the profile LED is lit in white. P2 is blue. P3 is green. P4 is red. After the gaming software has been installed, the game profile which has been activated will be briefly indicated in the bottom right corner of the screen when switching profiles via the profile keys.

Initially, all the game profiles have the same default keyboard settings. The profiles can then be customized as desired using the gaming software. For more information about setting and managing the profiles see the section "Game Profiles".





### 3.2 Illumination Keys

The preset lighting effects of the keyboard can be activated with keys L1 to L4.

Press L1 once to start the “wave” lighting effect. Press L1 again to start the “color marquee” effect. Another press of the key returns back to the “wave” effect.

L2 starts the “color change” effect.

Pressing L3 starts the “permanent” lighting effect. Each additional keystroke changes the color of this lighting effect. The first color is red, followed by green, blue, yellow, pink, turquoise, white and then returning to red. The colors can also be changed using the gaming software.

Press L4 to start the “pulsating RGB cycle” effect.



## 3. Overview



### 3.3 Reset

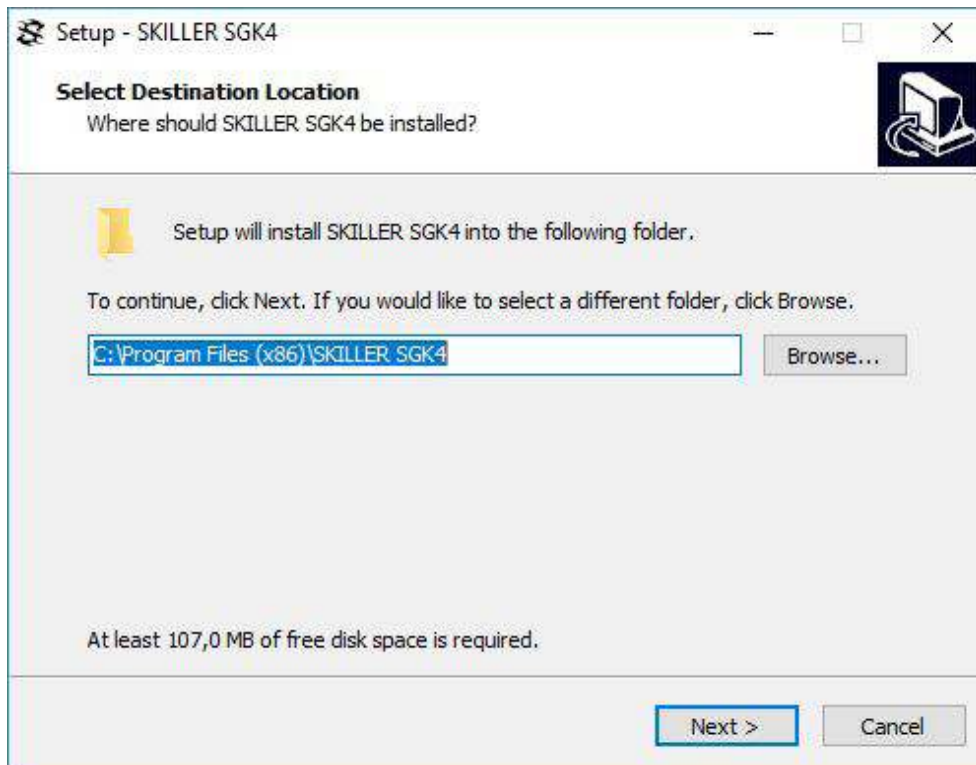
To reset the keyboard to factory default settings, simultaneously press the SKILLER key and the Esc key for several seconds.

After a successful reset, the profile LED above the number block will flash several times.





## 4. Software Installation



Download the software for the SKILLER SGK4 from the Sharkoon website at [www.sharkoon.com](http://www.sharkoon.com). Unzip the ZIP file in a folder of your choice and then double click the file "SKILLER SGK4 Setup.exe" to launch the installation.

Follow the instructions of the setup wizard and then click on "Finish" to complete the installation. The SGK4 symbol will then appear in the taskbar. The software has now been successfully installed.

To start the gaming software, double click on the SGK4 symbol in the taskbar.

**Please note:**

The gaming software continuously runs in the background while the computer is on. Only this allows the full range of functions of the SKILLER SGK4 to be used. The SGK4 symbol will be displayed in the Windows taskbar while the gaming software is running.



## 5. Software Overview



- A** Game Profiles: In this menu - which is visible and available throughout the software - game profiles can be created, saved and modified. Changes must be confirmed with a click on the “Apply” button.
- B** Main Control: The Main Control allows individual keys to be reassigned. It is also possible to assign keys with macros or multi-media functions. Also here, changes must be confirmed by clicking the “Apply” button.
- C** Macro Settings: In this section of the software, macros can be created or deleted.
- D** Light Settings: The illumination of the keyboard can be customized in the Light Settings menu. Changes must be confirmed by clicking “Apply”.
- E** Advanced Settings: This menu has settings for the polling rate, the key response time and the status of the windows key.
- F** Reset: This resets the keyboard to the factory default settings. Macros, which have previously been created, will not be affected by the reset.



## 6. Game Profiles



The menu for selecting, creating, loading, saving and editing game profiles is visible and available throughout the software. To select a game profile, click on one of the four game profiles within the “Game Profiles” menu, and confirm this selection by clicking on “Apply”. The four game profiles are also assigned to the four profile keys P1 to P4 on the keyboard. In the gaming software, the profile which is active is highlighted in blue.



## 6. Game Profiles



To create a game profile, click on “Create Profile”. You now have the possibility to give the profile a name and to link the profile with a game or other application. The game profile will be automatically activated with all its settings when the linked application is started.

*Please note:* If an application has been linked to more than one profile, then the profile with the lowest number will be activated.

In addition to the four game profiles on the keyboard, any number of game profiles can be saved on the PC. To save a game profile, first make sure that the desired game profile is active. Next, click on “Save Profile” and choose a name and a folder where the profile will be saved.

*Please note:* By default, the game profiles are saved in the subfolder “config” in the installation folder of the SKILLER SGK4.

Game profiles which have previously been saved on the PC can be loaded into the internal memory of the keyboard via the “Load Profile” button. Click this button and choose the desired game profile saved on the PC. The keyboard’s currently active game profile will be replaced by the game profile which is loaded from the PC.

Under “Edit Profile”, the name of the game profile can be changed. The customized profile can also be linked to a game or other application.



## 7. Main Control



In the Main Control, the individual keys can be reassigned or allocated functions. The Esc key, P1 to P4, L1 to L4, F1 to F12, the Windows key, the W key, the arrow keys and the SKILLER key cannot be reassigned.

To process a key, click this key on the illustrated keyboard of the gaming software. In the window which then appears, the key can be assigned a new function via the dropdown menu. The menu offers a number of options for the chosen key: to be reset to factory default, to be reassigned with another key, to be assigned a media function, to be allocated for a macro you have created, to use for switching the game profiles, to use for launching applications, to be assigned shortcuts, or to be completely deactivated.



## 7. Main Control



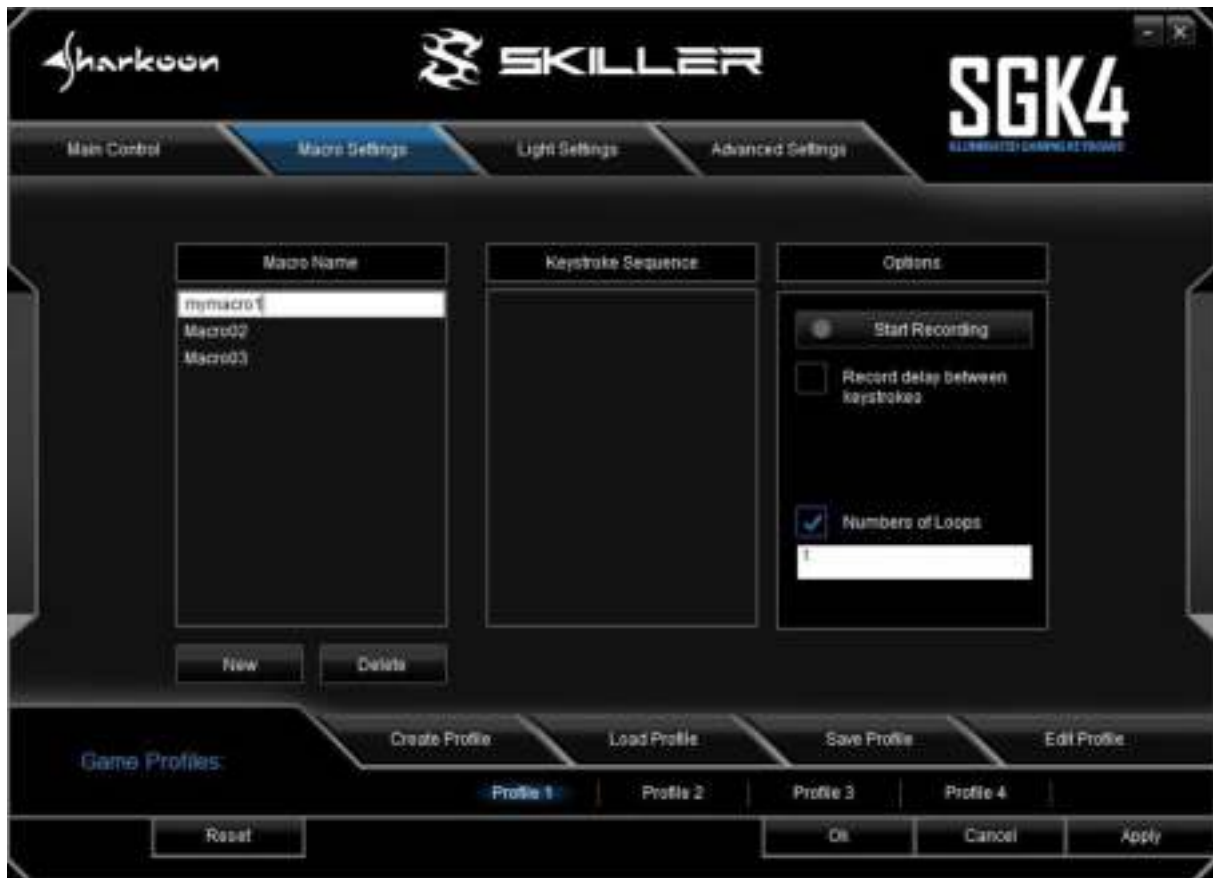
### 7.1 Key Assignments

To reassign a key, click under “Keyboard Button” on the red record button or in the adjacent field and type in the desired character or command. The changed key is highlighted in red in the illustrated keyboard of the gaming software.

For the reassignment of a key, up to four different keys can be combined. Keys such as Shift and Ctrl are counted. This means, for example, the combination Shift + a + s + d will give ASD when the reassigned key is pressed.



## 8. Macro Settings



To create macros, first click the “New” button. A macro with a default name and consecutive numbering will be initiated. Double click on the default name to change this, and enter a name of your choice.



## 8. Macro Settings



Select the macro, and under “Options” click on “Start Recording” to record a sequence of up to 50 key commands.

*Please note:* Make sure you release the Shift, Ctrl, etc. key only after you have released the key to be modified. This ensures that the Shift, Ctrl, etc. keys are correctly registered while recording macros.

If you wish to also record delays between key commands, click “Record delay between keystrokes”. The sequence of the entered key commands is displayed in the field “Keystroke Sequence”. Click “Stop Recording” to finish the recording of the macro. If you wish to replace the recorded sequence with a new one, click again on “Start Recording”. To completely delete the macro, click “Delete”.





## 8. Macro Settings



It is also possible to edit macros which have already been recorded. First, select the macro which is to be edited. Then select and click the recorded key command or delay where you wish to edit. Now click with the right button of the mouse in the field "Keystroke Sequence". You now have various options: An additional recording can now be inserted before or after the selected key command; a delay can be inserted or edited; a mouse command can be added; or the selected key command can be deleted.

A macro sequence can be repeated up to 255 times. Click the box "Numbers of Loops" and, in the field directly underneath, enter the desired number of repetitions.

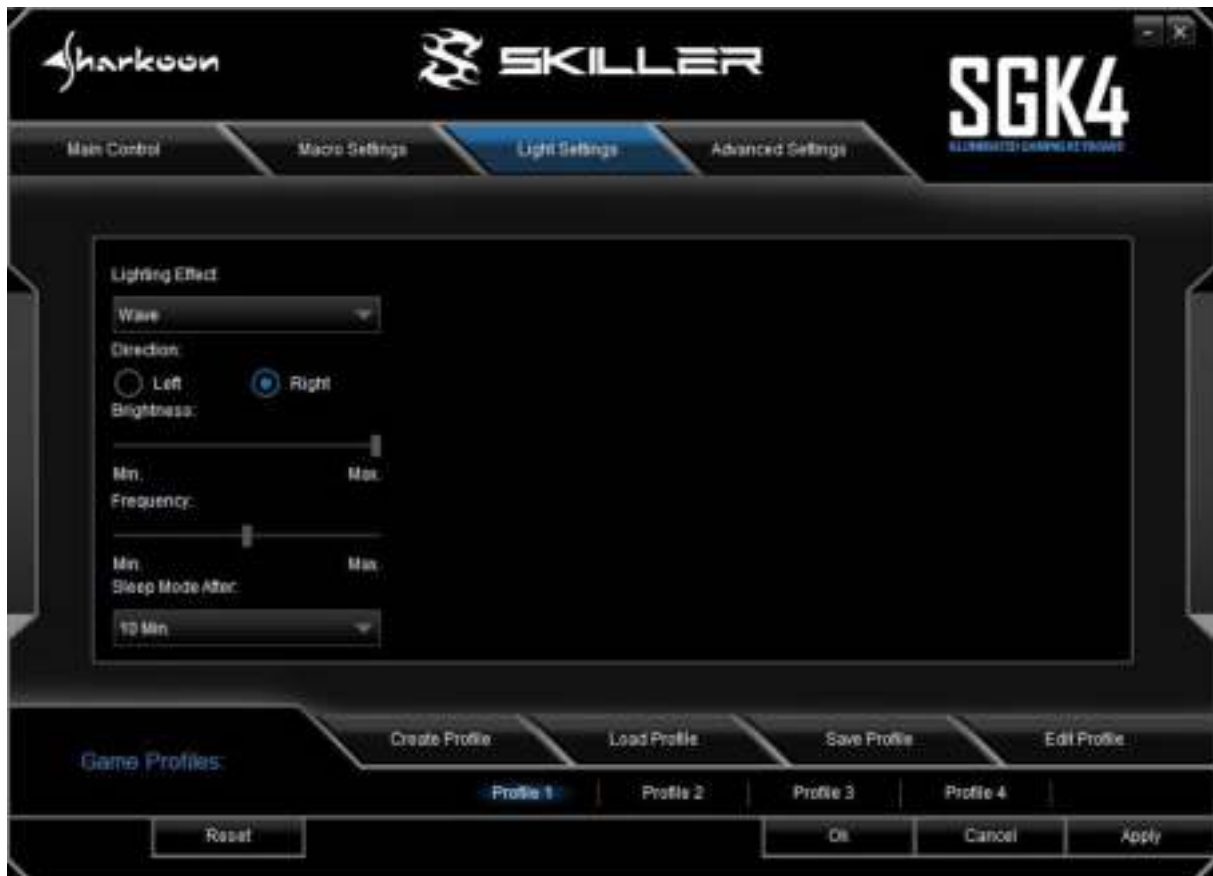
### *For example:*

If the macro has the keystroke sequence F6 F2 4 7 8 with three loops, the macro will be: F6 F2 4 7 8 F6 F2 4 7 8 F6 F2 4 7 8.

Macros are independent of the game profiles. Before they can be used, they must be assigned to a key within the "Main Control" menu. Apart from the settings for the number of loops, the Main Control can set macros to be continuously repeated while the assigned key is being pressed or, alternatively, to be continuously repeated until any key on the keyboard is pressed. Under these options, any previous loop settings will be overridden. Finally, click on "Apply" to confirm the new key assignment for the selected game profile.



## 9. Light Settings



To change the lighting effect of the keyboard for the chosen game profile, select the desired effect in the “Lighting Effect” dropdown menu. You have the choice of: Wave, Color Marquee, Color Change, Permanent, Pulsating RGB Cycle or Pulsating Profiles.

The direction of the Wave and Color Marquee lighting effects can be adjusted. You can select whether the effect begins from the left or the right of the keyboard. It is also possible to adjust the brightness and the frequency of all the effects using the relevant slide bars.



## 9. Light Settings

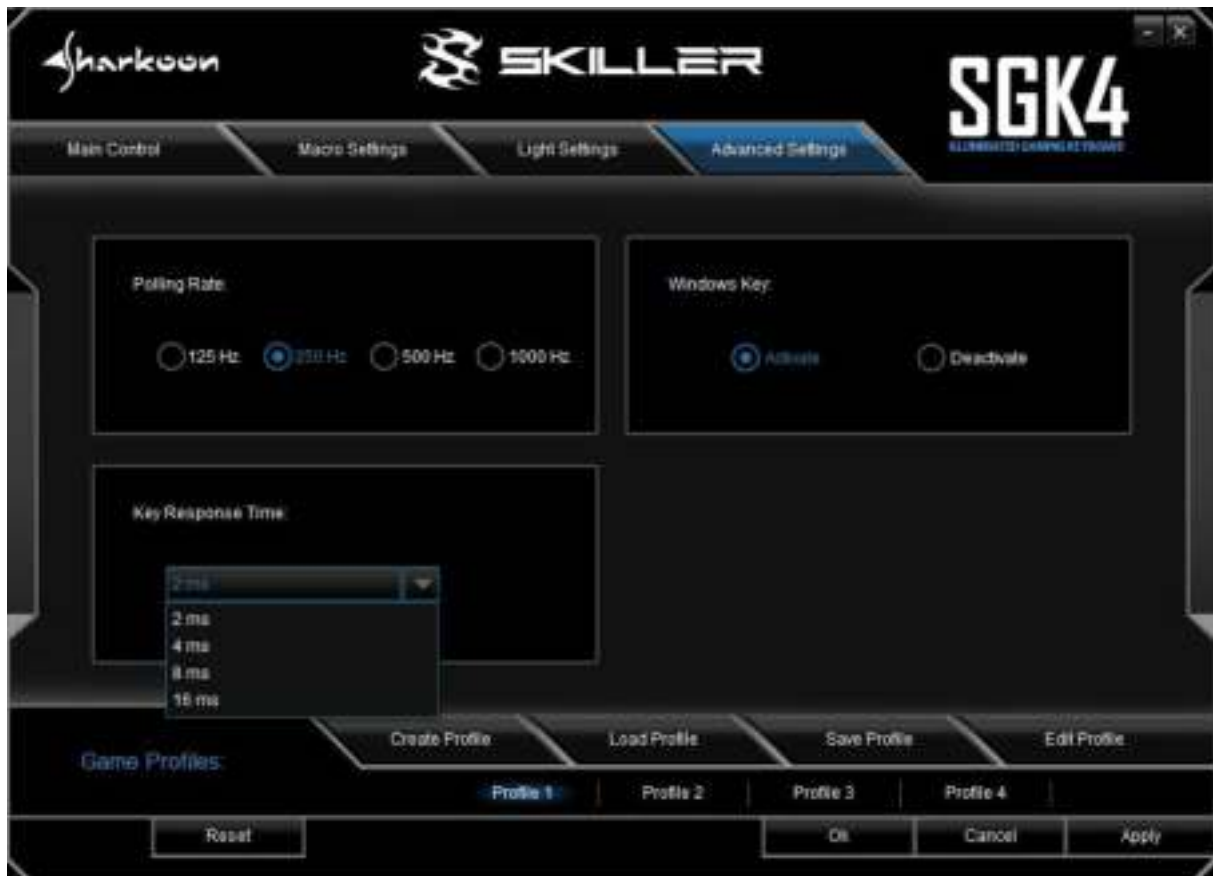


The “Permanent” and “Pulsating Profiles” lighting effects allow customized illumination along the keyboard’s lighting zones. A separate color can be adjusted for each zone after clicking on the colored box underneath each zone number. With the “Permanent” lighting effect, a single lighting profile can be used at any one time. With the L3 key, you can switch through to any of the other 6 lighting profiles. With the “Pulsating Profiles” lighting effect, up to 7 lighting profiles will alternate in turn. To enable this, click two or more of the boxes under “Lighting Profile” and then click “Apply” to confirm the lighting effect for the chosen game profile.

When not being used, the illumination of the keyboard can automatically switch itself off after a predetermined time. Select the desired time from the dropdown menu “Sleep Mode After:” and confirm the setting by clicking “Apply”.



## 10. Advanced Settings



Under “Advanced Settings” you can adjust the polling rate: the frequency at which the keyboard reports to the PC. The higher the Hz value, the shorter the time between reports. 125 Hz corresponds to 8 ms, 250 Hz 4 ms, 500 Hz 2 ms and 1000 Hz 1 ms.

You can also determine the behaviour of the Windows key. Select “Deactivate” if the function of the Windows key has to be blocked for the chosen game profile.

The key response time refers to the debouncing time for single keystrokes. If a single keystroke is unintentionally producing outputs of several characters, an increase of the key response time can remedy this. Select the desired reaction time from the dropdown menu. You have the option of 2 ms, 4 ms, 8 ms and 16 ms.



## 11. Reset



The reset button is visible and available throughout the software. You can use this to reset the game profiles P1 to P4, which are saved in the internal memory of the keyboard, back to factory default. Game profiles which are saved on the PC and created macros remain unaffected by this feature.



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