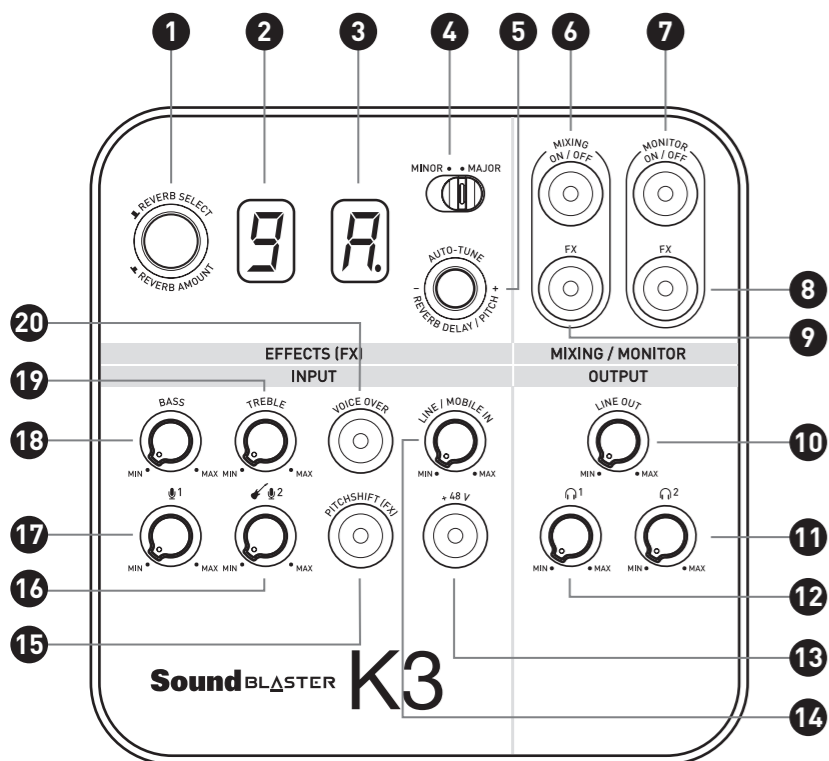
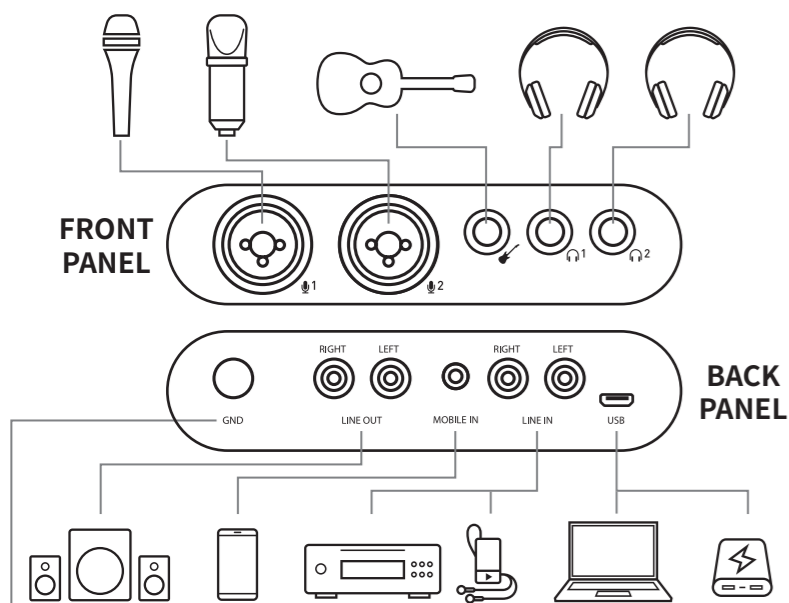


Model No: SB1720
PN 03SB17200000 Rev B

1. FUNCTIONS LABELLING



2. CONNECTIVITY



Ground Terminal

Connect a ground cable (not provided) from this terminal to the metal surface at the back of the computer to eliminate humming noise.

3. DESCRIPTION OF FUNCTIONS

1 Reverb Select & Reverb Amount Knob

Rotate to select between different types of reverb, LED display on the right indicates the reverb selected (-, 1-9), (-) indicate Reverb is OFF.

To adjust Reverb Amount and Reverb Delay, press down this button, LED 2 and 3 will display 2 and 4, briefly to indicate control is switch to Reverb Amount and Reverb Delay mode. LED subsequently display 0-9, (with a . at the bottom of the number). Use the **Reverb Select & Reverb Amount Knob 1** and **Auto-tune Key & Reverb Delay Knob 5** to adjust reverb amount and reverb delay accordingly.

Press knob 1 again to switch back to Reverb and Auto-tune Select function. LED 2 and 3 will display 1 and 2, briefly to indicate control is back to Reverb and Auto-tune Select mode. LED subsequently display the current selected Reverb number and Auto-tune key.

2 Reverb Select/Amount Display

Displays the selected reverb type or amount respectively.

3 Auto-tune/Reverb Delay Display

Displays the selected Auto-tune key or Reverb Delay amount respectively.

4 Minor/Major Switch

Switch between Minor and Major key.

5 Auto-tune Key & Reverb Delay Knob

Rotate to select from 24 base key tunes, LED display on the left indicates the key selected (-, 1-9) from A - G, - indicate Auto-tune is OFF, - at the bottom of character represents flat key. Refer to "Auto-tune Keys" section for details. To control Reverb Delay amount, press down Reverb Select & Reverb Amount knob 1, the LED display on the left switches to 0-9, (with a . at the bottom of the number). Press Reverb Select & Reverb Amount knob 1 again to switch back to Auto-tune Select function.

6 Mixing ON/OFF

Mixes microphone and other inputs (Line In, USB, Guitar) and output to internet or computer for recording.

7 Monitoring ON/OFF

Press to hear your own voice through the headphone.

8 Monitoring FX ON/OFF

Press to hear your own voice with effects through the headphone.

9 Mixing FX ON/OFF

Enable microphone with effects and output to internet or computer for recording.

10 Line Out Volume Knob

Rotate to control the output of Line Out.

11/12 Headphone 1, 2 Volume Knob

Rotate to control the output volume of Headphone 1 and Headphone 2.

13 +48V Phantom Power Switch

Press down to enable +48V phantom power supply to the XLR connectors. Refer to "Phantom Power & Microphone Connectivity" section for details. **Important:** When +48V phantom power is enabled, both XLR connectors will be supplied with +48V. Phantom power is applicable to condenser microphones which support phantom power, applying +48V on microphones that do not support phantom power may cause damage to such microphones.

14 Line In/Mobile In Volume Knob

Rotate to control the volume of Line In or Mobile In.

15 Pitch Shift Switch

Press to enable pitch shift adjustment, LED 2 and 3 will display 1 and 2, briefly to indicate Pitch Shift mode. **Auto-tune Key & Reverb Delay Knob 5** becomes pitch shifter knob, LED 2 display 1-9, (with a . at the bottom of the number) 1. Low pitch (male) 5. Original voice (default) 9. High pitch (female)

Note: Reverb Amount/Delay adjustment and Auto-tune is not available in Pitch Shift mode.

Press again to switch back to Reverb Select and Auto-tune Select, LED 2 and 3 will display 1 and 2, briefly to indicate control is back to Reverb Select and Auto-tune mode.

16 Microphone 2 & Guitar Volume Knob

Rotate to control the gain of Microphone 2 and Guitar input.

17 Microphone 1 Volume Knob

Rotate to control the gain of Microphone 1 input.

18/19 Bass & Treble Knob

Rotate to control the amount of Bass and Treble for Microphone inputs.

20 Voice-Over Switch

Suppress background music when speaking through the microphones. Return to original music volume when there is no microphone input. Press to enable Voice-Over, press again to disable.

5. OPERATION MODE

Sound Blaster K3 supports 6 modes of operation:

	Voice-Over	Mixing On	Mixing Fx	Monitor On	Monitor Fx
Music					
Chat				✓	
Wet Monitoring, Dry Recording				✓	✓
Wet Monitoring, Wet Recording (Karaoke)		✓	✓	✓	✓
Voice-Over	✓	✓	✓		
Host	✓	✓		✓	

Music Playback

Normal playback/streaming without effects and no monitoring. As Mic Monitoring is not turn on, microphone input will not be heard, however microphone input signal can still be captured by computer.

Control: Monitor and Mixing buttons at "Off" position.

Chat

Voice communication without effects.

Control: Monitor button at "On" position.

Wet Monitor-Dry Record

Vocal monitoring with effects & other inputs, internet/computer recording is dry (vocal without music).

Control: Monitor, Monitor Fx at "On" position.

Wet Monitor-Wet Record, Karaoke

Vocal monitoring and internet/computer recording are with effects and music (wet).

Control: Monitor, Monitor Fx, Mixing, Mixing Fx at "On" position.

Voice-Over

During singing session, music volume is suppressed automatically when there is vocal input, music level will be restored when there is no vocal input. This feature is important for room host or DJ/KJ when they need to intervene during the session.

Control: Voice-Over switch, Monitor Fx, Mixing and Mixing Fx at "On" position.

Host

This is "Voice-Over" without effects in mixing and monitoring for station/channel host. Mixing is still available.

Control: Monitor, Mixing, Voice-Over switch at "On" position.

6. MIXING/MONITORING OPERATION BEHAVIOR

	Monitor Off 7 + Monitor Fx Off 8	Monitor On 7 + Monitor Fx Off 8	Monitor Off 7 + Monitor Fx On 8	Monitor On 7 + Monitor Fx On 8
Mixing Off 6 + Mixing Fx Off 9	Record: Original mic only Monitor: No mic, only other inputs	Record: Original mic only Monitor: Original mic, with other inputs	Record: Original mic only Monitor: Mic with effects, with other inputs	Record: Original mic only Monitor: Original mic + effects, with other inputs
Mixing On 6 + Mixing Fx Off 9	Record: Original mic, with other inputs Monitor: No mic, only other inputs	Record: Original mic, with other inputs Monitor: Original mic, with other inputs	Record: Original mic, with other inputs Monitor: Mic with effects, with other inputs	Record: Original mic, with other inputs Monitor: Original mic + effects, with other inputs
Mixing Off 6 + Mixing Fx On 9	Record: Mic with effects only Monitor: No mic, only other inputs	Record: Mic with effects only Monitor: Original mic, with other inputs	Record: Mic with effects only Monitor: Mic with effects, with other inputs	Record: Mic with effects only Monitor: Original mic + effects, with other inputs
Mixing On 6 + Mixing Fx On 9	Record: Mic with effects, with other inputs Monitor: No mic, only other inputs	Record: Mic with effects, with other inputs Monitor: Original mic, with other inputs	Record: Mic with effects, with other inputs Monitor: Mic with effects, with other inputs	Record: Mic with effects, with other inputs Monitor: Original mic + effects, with other inputs

The above behaviour assumes that the Reverb Select or Auto-tune is enabled, if not, no effects can be heard even if Monitor FX and Mixing FX are turned on.

7. AUTO-TUNE KEYS

Auto-tune creates special "electric voice" effect by intentionally setting the key to a different key.

R, b, C, d, E, F, G represent the A, B, C, D, E, F, G keys.

Select Minor/Major by sliding the switch accordingly.

. represents flat tone

The auto-tune keys ranging from C Major - B Minor are represented as follows:

LED	MINOR • MAJOR	LED	MINOR • MAJOR
-	Auto-tune OFF	-	Auto-tune OFF
C	C Major	c	C Minor
d	D-Flat Major	d	D-Flat Minor
d	D Major	d	D Minor
E	E-Flat Major	E	E-Flat Minor
E	E Major	E	E Minor
F	F Major	F	F Minor (A-Flat Major)
G	G-Flat Major	G	G-Flat Minor
G	G Major	G	G Minor
A	A-Flat Major (F Minor)	A	A-Flat Minor
A	A Major	A	A Minor
b	B-Flat Major	b	B-Flat Minor
b	B Major	b	B Minor

8. REVERB SETTING

Reverb Select

Below are the reverb settings ranging from 1-9.

Reverb	-	Reverb OFF				
	1	Room	4	Stadium	7	Reverb + Delay
	2	Hall	5	Concert	8	Echo
	3	Plate	6	Chorus	9	Cathedral

Reverb/Delay Amount

Control reverb amount using knob 1 and reverb delay amount using knob 5 respectively.

Below are the reverb/delay amount ranging from 0 - 9.

Reverb Amount/Delay Amount	0	0% (Min)	9	100% (Max)

9. STATUS/MODE DISPLAY

LED 2	LED 3		
d	Reverb Amount	d	Reverb Delay
1	Reverb Select	2	Auto-tune
1	Reverb Select	2	Pitch Shift

10. RESET TO FACTORY SETTINGS

Press and hold Reverb Adjust button 1 until LED 2 and 3 display 1 and 2.

PRODUCT REGISTRATION

Registering your product ensures you receive the most appropriate service and product support available. You can register your product during installation or at register.creative.com.

Please note that your warranty rights are not dependent on registration.

TECHNICAL & CUSTOMER SUPPORT SERVICES

Go to support.creative.com to resolve and troubleshoot technical queries at Creative's 24-hour self-help Knowledge Base. You can also find Customer Support Services and other helpful information here.

OTHER INFORMATION

Supplementary documentation for this product includes a detailed user guide, DoC and safety and regulatory information. These documents can be downloaded from the support.creative.com site.

4. PHANTOM POWER & MICROPHONE CONNECTIVITY

The Sound Blaster K3 supports both dynamic and condenser microphones that are different in various operating voltages (XLR +48V, TRS +1.5V) and connectors, therefore it is paramount to ensure proper connection and usage of microphones. Below table illustrates the possible microphone usage scenarios:

		Mic 2		
		+48V Condenser Mic	Dynamic Mic	Mic with built-in battery
Mic 1	+48V Condenser Mic	Mic 1: XLR Mic 2: XLR	Mic 1: XLR Mic 2: TRS	Mic 1: XLR Mic 2: TRS
	Dynamic Mic	Mic 1: TRS Mic 2: XLR	Mic 1: XLR or TRS Mic 2: XLR or TRS	Mic 1: XLR or TRS Mic 2: XLR or TRS
	Mic with built-in battery	Mic 1: TRS Mic 2: XLR	Mic 1: XLR or TRS Mic 2: XLR or TRS	Mic 1: XLR or TRS Mic 2: XLR or TRS

Important: +48V should be "On" ONLY when condenser mic requires 48V phantom power, applying +48V on microphones that do not require 48V phantom power may cause permanent damage to the microphone. Always ensure that +48V power is "OFF" before inserting or removing phantom power condenser mic.