

# SoundBLASTER<sup>®</sup>ROAR<sup>™</sup> 2



*Now Smaller, Lighter, Sexier*

Amazing Powerful Compact Bluetooth Speaker, 5 Drivers with Built-in Subwoofer

PRODUCT GUIDE

CREATIVE<sup>®</sup>

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Find out how the Sound Blaster Roar 2 brings your audio experience to a whole new level.

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Learn how to easily enhance your audio with the Sound Blaster Control Panel.

SoundBLASTER<sup>®</sup>ROAR<sup>™</sup>2



Read our  
Sound Blaster Roar 2  
Story here

## Now Smaller, Lighter, Sexier

Mind-Shattering Performance • Precision-Tuned Fidelity • ROAR & TeraBass Audio™ Power

The original Classic Sound Blaster Roar was an amazing feat of audio engineering. It was truly a speaker that defied the laws of acoustic engineering. With the all new smaller, lighter, sexier **Sound Blaster Roar 2**, we have upped our game and taken the miniaturization to the next level. It is 20%\* more compact than the Classic Roar, while still retaining its critically acclaimed killer audio signature with the same mind-blowing 5 speaker drivers, the same electrical design and the same battery capacity as the Classic Roar. This time, with a smaller volumetric size, our engineers have to work against the law of physics to tune the audio to be as mind-shattering and room-filling, like our Classic Roar. This incredible feat is achieved without compromising the same mind shattering room-filling audio delivered by the Classic Sound Blaster Roar.



\*Based on volumetric measurements

# THE SOUND BLASTER ROAR 2: AN OVERVIEW

## ARCHITECTURE, CONTROLS & CONNECTORS

### Battery level indicator

- Quick battery level check

### Controls

- Raised tactile buttons for easy control

### Active high-excursion driver

- Pumps out impressive bass
- Widens soundstage

### NFC sensor

- Just tap and play with any NFC-enabled device for wireless playback

### Dual 1.5" premium drivers

- Compact, powerful high-frequency drivers
- Provide for far-field high-frequency dispersion

### Acoustically optimized design

- Rigid monocoque endoskeletal chassis
- Fewer internal components reduces vibrations
- Less energy wastage for better audio

### Machine-finished pulsating bass radiators

- Side-firing from both sides
- Enhances bass levels
- Widens the soundstage



### Mic On / Mute

- Flip the switch to turn on or mute the mic

### MicroSD card slot

- Built-in WMA/MP3 player
- Stores your voice recordings too

### USB port

- Charge your mobile phones and devices!

### DC input

- Charge your Sound Blaster Roar 2



### Previous track/folder Next track/folder

- Press during playback to skip tracks
- Press and hold during playback to skip folders

### USB Audio / Mass Storage mode switch

- Toggles between USB Audio or Mass Storage mode

### Aux-in jack

- Playback music from a portable device via audio cable

### Micro-USB port

- Connect to a PC/Mac for enhanced audio listening
- Play audio and charge your Sound Blaster Roar 2 at the same time

### Voice recording

- Simple accurate voice recording onto the microSD card

### Voice playback

- Immediate playback of voice recordings

### Bedtime Mode

- Audio playback that gradually fades out

### Roar / TeraBass Button

- Toggles from TeraBass ON to TeraBass with ROAR ON, followed by OFF
  - **TeraBass**  
Intelligently boost bass when audio levels are low
  - **ROAR**  
Boost the loudness, depth and spaciousness for sheer audio power

### Play / Pause

- Fuss-free music playback control

### Random / Repeat All

- Toggle the switch to play tracks on the microSD card in random order or to repeat all tracks in continuous order

## THE SOUND BLASTER ROAR 2: AN OVERVIEW

### ARCHITECTURE, CONTROLS & CONNECTORS (cont.)

#### Multifunction button

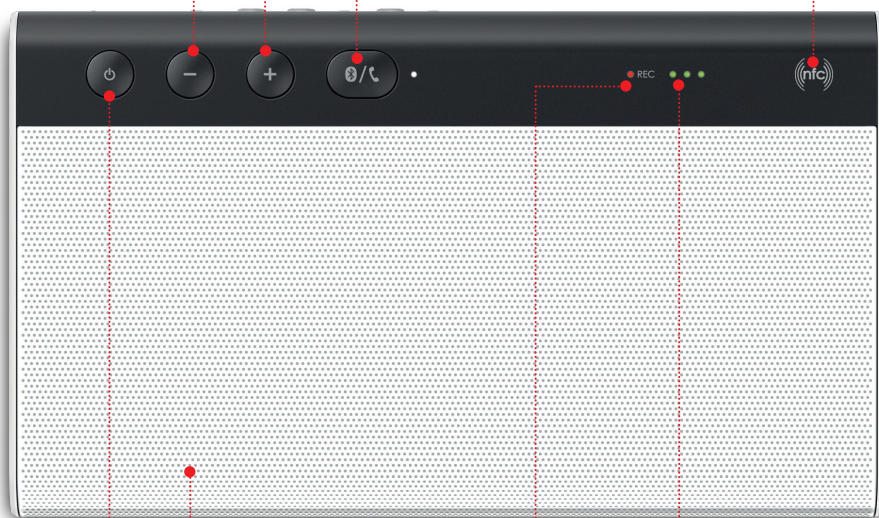
- Press and hold to enter *Bluetooth* pairing mode
- Press once to answer incoming calls or end calls

#### Volume Up/Down

- Adjust the volume of your audio

#### NFC sensor

- Just tap to connect with any NFC-enabled device



#### Power button

- Press once to switch on or go into standby mode

#### Internal microphone

- For crystal clear voice communications

#### Battery level indicator

- Lets you know the battery level of your Sound Blaster Roar 2

#### Recording indicator

- Lights up when recording is ongoing

### SPEAKER TECHNOLOGY

#### The Sound Blaster Roar 2: Now Smaller, Sexier, Lighter

The Sound Blaster Roar 2--although smaller, lighter, and sexier--is meticulously designed with the **SAME ELECTRICAL DESIGN**, the **SAME FIVE SPEAKER DRIVERS**, and the **SAME BATTERY CAPACITY** as the Classic Sound Blaster Roar. So what you get is the same mind-shattering room-filling audio and astounding battery life--but now with a smaller, lighter and sexier form factor.

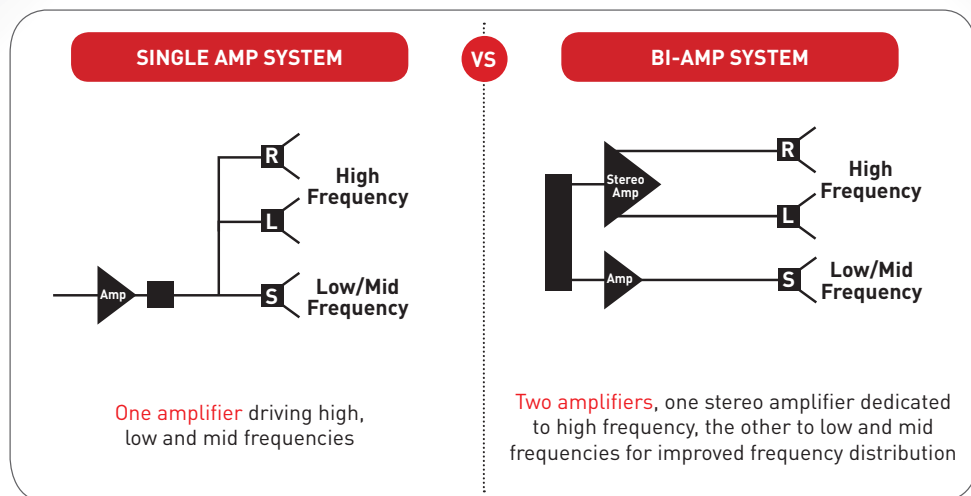
The Sound Blaster Roar 2 is a sound system designed for **PERFORMANCE** and **PORTABILITY**. Though bantam-sized, the Sound Blaster Roar 2 promises to deliver a powerful, mind-blowing audio experience, and precision-tuned audio fidelity. The 5-driver system is packed into one sleek structure, and will redefine the home stereo space with its ability to powerfully reproduce the entire audio spectrum, all from a small booklet size. Beyond its impressive audio performance, it still has a whole lot more to offer -- such as *Bluetooth* and NFC wireless technology, an integrated WMA/MP3 player, a recorder, a large dual-purpose battery that also charges your smartphone and a built-in microphone for calls and recording!



## THE SOUND BLASTER ROAR 2: AN OVERVIEW

### SPEAKER TECHNOLOGY (cont.)

#### Bi-Amplified Design: Two Amps, Not One



Most portable speakers utilize a single amplifier to reproduce the entire audio spectrum. With a single amplifier design, most of the demand goes into producing the lows and mids, which compromises the delivery of the highs.

On the other hand, the Sound Blaster Roar 2 utilizes two amplifiers—one stereo amplifier dedicated to driving lows and mids, and another which is solely dedicated for delivering the high frequencies. This allows the speaker to produce uncompromisingly clear, high definition, well balanced music.

#### Room-Filling Audio

The compact booklet-sized form factor houses 5 high performance speaker drivers: two far-field tweeters, a powerful subwoofer, and two beautifully machine-finished pulsating passive bass radiators. The compact speaker powerhouse is sweet spot independent and delivers mind-shattering room-filling and balanced audio.

#### **ROAR** : Instant Additional Audio Power

The Sound Blaster Roar 2 is designed to produce balanced, high fidelity audio by default. On top of that, in scenarios where sheer audio power is needed – such as in large parties and social gatherings – simply pressing the **ROAR** button will instantly boost the loudness, depth and spaciousness of your audio.

#### Vertical Placement for Even Louder Audio

With a smaller and lighter design, the Sound Blaster Roar 2 gives you the flexibility of additional vertical placement. By re-orienting the speaker in a vertical position, you can get a new audio profile that is even louder and more directed—great for a noisy party and outdoor environment.

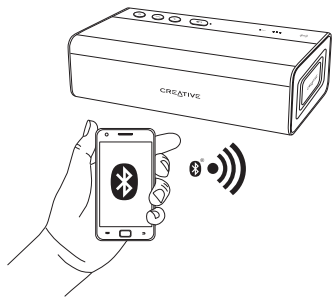


# THE SOUND BLASTER ROAR 2: AN OVERVIEW

## CONNECTIVITY

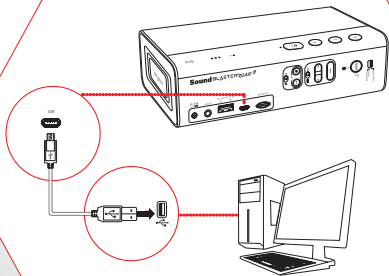
### 4 Simple Ways to Connect

#### WIRELESS



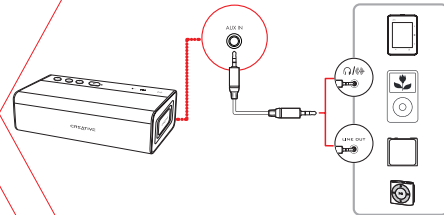
Connect to *Bluetooth* devices with robust high-quality aptX® and AAC music streaming.

#### DIGITAL USB



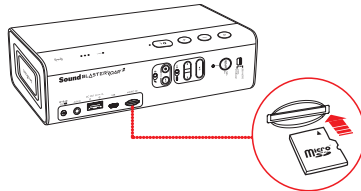
Flick the switch to USB audio, and connect to a laptop or desktop for a fully digital USB audio experience.

#### ANALOG



Connect a portable audio device via an audio cable to the Aux-in jack to experience powerful analog audio playback via the Sound Blaster Roar 2.

#### STANDALONE MODE



Play all your favorite songs continuously from a microSD card with the standalone WMA/MP3 player. Avoid the horror of a flat phone battery after draining it to play music, or the awkward silence after that.



Find out how to enhance your PC/Mac audio and personalize it. **Go to page 21.**

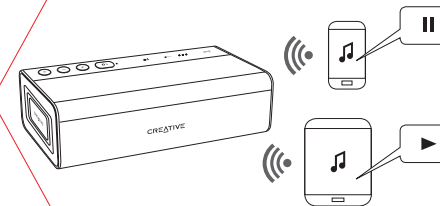
### Advanced Wireless Connectivity

The advanced *Bluetooth* wireless features on the Sound Blaster Roar 2 make connecting even easier!

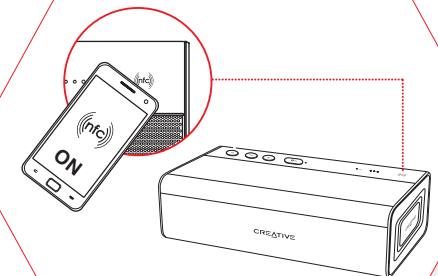
**NFC Technology** allows for one-touch pairing. Simply tap your NFC-enabled device on the Sound Blaster Roar 2 to instantly pair and connect.

**Creative Multipoint** technology on the other hand, lets you simultaneously connect **TWO Bluetooth devices** and easily toggle between them! This is especially useful for users with two *Bluetooth* devices (phones and tablets) in their kit.

#### SINGLE / DUAL BLUETOOTH CONNECTIONS



#### NFC TECHNOLOGY



# EXPERIENCING THE SOUND BLASTER ROAR 2

## MOBILITY

### Integrated WMA/MP3 Player

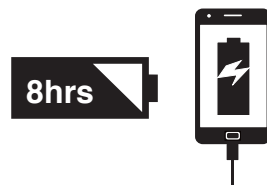
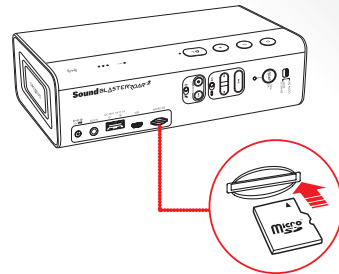
The Sound Blaster Roar 2 comes with a built-in media player to give you direct seamless audio playback with the convenience of wireless portability. Play up to **32GB** of **MP3/WMA/WAV** files on microSD/microSDHC card\*. There's a Random or Repeat All option to play your songs randomly or continuously. For quick playlist navigation, you can even sort your songs according to albums by organizing them in folders.

### Dual-Purpose Internal Battery

The Sound Blaster Roar 2 is designed to keep the audio alive wherever you go. The built-in 6000mAh lithium-ion battery delivers up to 8 hours<sup>^</sup> of playback per charge.

Plus, it can also charge your smart device or other USB device via the USB port on the rear of the unit.

<sup>^</sup> Actual battery life may vary with use, settings and environmental conditions.



\* Each folder on the microSD card should only contain a maximum of 999 files and folders.

microSDXC card is not supported.

Supported audio formats: MP3, WMA and WAV (16 bit 48Khz PCM)

Support Mp3 and WMA up to 320kbps. Does not support WMA Pro / Lossless

## MIND-SHATTERING PERFORMANCE

As the saying goes, don't judge a book by its cover. The Sound Blaster Roar 2 may be a booklet-sized speaker system, but the audio power it can generate belies its size.

### Dual Amplification

Most portable speakers utilize a single amplifier to reproduce the entire audio spectrum – this compromises delivery of the highs as most of the focus goes into producing the lows and mids. On the other hand, the Sound Blaster Roar 2 has two amplifiers that allow it to produce audio that's powerful on all levels. You'll notice how uncompromisingly clear your audio is at all parts of the audio spectrum – you can even distinctly pick out the bass at low volumes! A stereo amplifier dedicated for high frequencies and a separate amplifier for lows and mids work together to deliver a well-balanced audio that is accurate and faithful to the original source.

### Independent WMA/MP3 Player

One of the main concerns with *Bluetooth*-powered speakers is the battery drain they cause on paired smartphones. There's also the limitation of distance and interference between your smartphone and the speaker. With the built-in WMA/MP3 player on the Sound Blaster Roar 2, you can play music directly from the speaker without having to depend on your smartphone – saving you the horror of a flat battery. Simply insert a microSD card filled with your favorite MP3/WMA/WAV files into the speaker. Unless you're planning a music marathon, 32GB of songs should keep you entertained for days.

### ROAR : No-Holds-Barred Audio

Isn't it disappointing when your music gets drowned out just as the party gets going? All you have to do is simply press the **ROAR** button and it gives you the much needed sheer audio power when you need it. By default, Sound Blaster Roar 2 produces balanced, high fidelity audio. And in scenarios such as large parties and social gatherings, users can press the **ROAR** button that instantly boosts the loudness, depth and spaciousness of the audio — no holds barred.

Notice how uncompromisingly clear your audio is at all parts of the audio spectrum.

Play music directly from the speaker.

Instantly boosts the loudness, depth and spaciousness of the audio.

## EXPERIENCING THE SOUND BLASTER ROAR 2

### Room-Filling Audio

An outstanding aspect of the Sound Blaster Roar 2 is its wide soundscape. With the same powerful 5 speaker drivers as the Classic Sound Blaster Roar, the Sound Blaster Roar 2 is designed to deliver wider non sweet-spot dependent room-filling audio. Feel free to walk around the room to experience the audio performance.

### Flexible Placement

With a smaller, lighter and sexier design, now you have the flexibility of additional placement option for Sound Blaster Roar 2 to suit different kinds of environment.

By re-orientating the speaker in vertical position, you can get a new audio profile that is louder and more directed--great for noisy party and outdoor environment.

Walk around the speaker to experience the audio performance.

Additional placement option is great for noisy party and outdoor environment.



Connecting the Sound Blaster Roar 2 to the power adapter gives your music added volume boost.



Vertical placement for louder and more directed audio

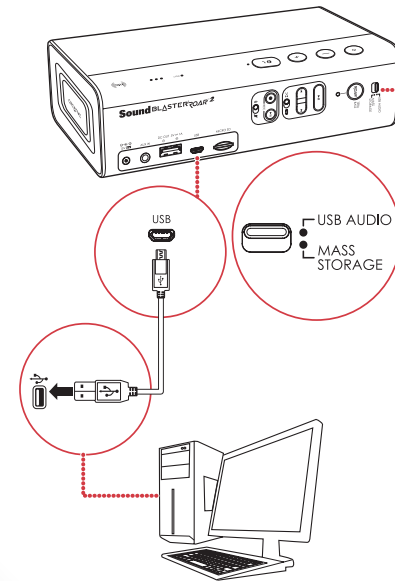


Horizontal placement for room-filling audio

## PLUS A WHOLE ARRAY OF MIND-SHATTERING FEATURES!

### USB Digital Audio

Enhance music playback from your PC/ Mac with the powerful Sound Blaster Roar by connecting it with the USB cable supplied.



Here's how you do it!

- 1 Slide the slider switch to USB Audio to connect USB Audio mode.
- 2 Connect the Sound Blaster Roar 2 to a PC/ Mac. A tone is heard indicating USB audio is connected. \*  
\* If no tone is heard, disconnect the cable from the computer, and start from Step 1 again.
- 3 Play your music on the PC/Mac.



#### Enhance your audio

To enhance your digital music further, you can use the Sound Blaster Control Panel software. See page 21.



#### If no audio is heard


##### For Windows:

Click Volume Control and select Sound Blaster Roar 2 as your output device.

##### For Mac:

1. Go to System Preferences and click Sound.
2. Click the Output tab and select Sound Blaster Roar 2.

**Note:** If the Sound Blaster Roar 2 is not detected by the computer after your computer recovers from sleep / hibernate / restart, please Power OFF and ON the Sound Blaster Roar 2 to re-establish the USB audio connection. You may also need to restart your computer's media player.

- USB audio will disconnect if  button is pressed during USB audio mode.

## EXPERIENCING THE SOUND BLASTER ROAR 2

### PLUS A WHOLE ARRAY OF MIND-SHATTERING FEATURES! (cont.)

Performance aside, the Sound Blaster Roar 2 also has many added features.

#### ROAR / TeraBass TERA BASS

Like our in-house reference systems, the Sound Blaster Roar 2 is tuned to be accurate, balanced, and well defined, while delivering full spectral output at maximum levels with minimal or no compression. (NOT common in many battery operated portables).

At low level listening conditions, some people may perceive audio differently. Be it being less sensitive to bass reproduction, in less than ideal environments or strictly personal preference.

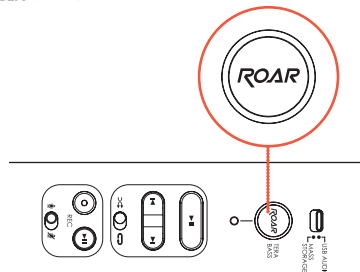
The TeraBass feature intelligently compensates the loss of perceived loudness in bass during low level playback without artificially over accentuating bass levels.

However when sheer audio power is needed – such as large parties and social gatherings – the **ROAR** mode instantly boost the loudness, depth and spaciousness of the audio. Simply just toggle between them !

#### Here's how you do it!

To toggle between modes, simply just press the **ROAR** button.

Toggles from TeraBass ON -> TeraBass with **ROAR** ON->OFF



LED	Status
Green	TeraBass
White	TeraBass + <b>ROAR</b>



#### For added boost

Connecting the Sound Blaster Roar 2 to the power adapter gives your music added volume boost. It is recommended to use a power adapter when using the **ROAR** feature.

#### ROAR / TeraBass TERA BASS (cont.)

#### When do I use TeraBass?

##### TeraBass is best used when:

- The Sound Blaster Roar 2 is listened to at low to medium volume levels – for example with near-field use.
- The Sound Blaster Roar 2 is placed in an environment where there is an absence of boundary walls for bass reinforcement – for example when you're outdoors.
- The Sound Blaster Roar 2 is placed on very dense material like marble or granite or in mid to far-field listening conditions – for example in a dance hall or at indoor gatherings.

#### Do not use TeraBass when:

- The unit is placed in an enclosed environment where there is sufficient bass reflecting off surfaces like from boundary walls – for example on bathroom counter tops, in small bedrooms or dorms.

#### Voice Prompts

The Sound Blaster Roar 2 features an intuitive voice prompt system that helps you set up a *Bluetooth* connection with your device. Once you're familiar enough with the speaker, you have the option to disable the voice prompts.

#### Here's how you do it!

##### To disable voice prompts:

When the speaker is powered on, press / and **-** together.

##### To enable voice prompts:

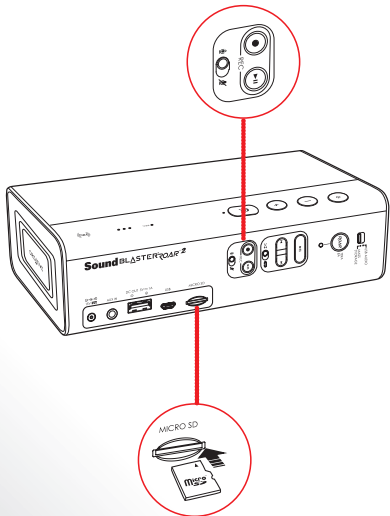
When the speaker is powered on, press / and **+** together.

## EXPERIENCING THE SOUND BLASTER ROAR 2










### PLUS A WHOLE ARRAY OF MIND-SHATTERING FEATURES! (cont.)

#### Audio Recorder

You can use the Sound Blaster Roar 2 to record a phone conversation, a discussion, or even a song playing via *Bluetooth*. A folder labeled "VOICE" will be automatically created on your microSD card by the Sound Blaster Roar 2 to store all your audio recordings.



#### Here's how you do it!

- 1 Insert a microSD card.   
**From built-in microphone**  
Switch on the microphone.   
– Records voice and sounds picked up by the microphone.  
**From Aux-in / Bluetooth source**  
Mute the microphone.   
– Records Aux-in audio directly from your media player or *Bluetooth* device.
- 3 Press  (REC) to start recording.   
Press  (REC) again to stop recording.
- 4 Press  (REC) to playback recordings.   
**To skip recorded tracks:**  
Press  or  during playback.



#### Recording specifications




- Audio recording is saved in **WAV** format in the **VOICE** folder.
- For recording, a **Class 4** microSD card is recommended.
- The default recording sampling rate is at 16 kHz. This is designed to record longer voice recording sessions (e.g. meetings) and avoid large file sizes.
- Recording from microphone also records the audio coming out from *Bluetooth* and Aux-in audio sources.
- Simultaneous WMA / MP3 audio playback using microSD card and audio recording is not supported.

#### MicroSD Card Reader

Easily modify contents of your microSD<sup>^^</sup> card on your computer via the Sound Blaster Roar 2. It functions as a microSD card reader whenever you connect it to a computer.

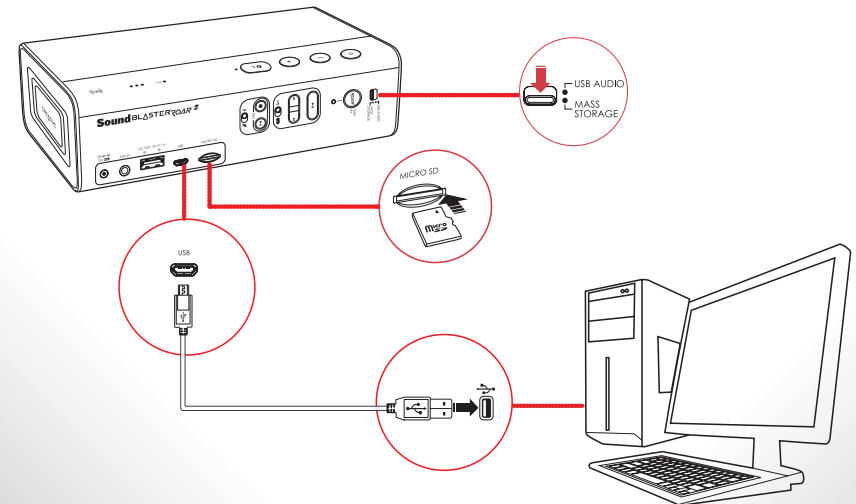
<sup>^^</sup>MicroSD or MicroSDHC cards up to 32GB.

#### Here's how you do it!

- 1 Slide the slider switch to Mass Storage. 
- 2 Connect the speaker to a computer via USB cable. 
- 3 Insert a microSD card. 
- 4 Browse or modify the microSD card contents on your computer.

#### Note:

- To switch back to USB Audio mode, slide the slider switch to USB Audio.
- Depending on your operating system, a pop-up message may appear informing you that the Mass Storage Device has not been ejected properly. This is normal and not disruptive to your microSD card.



# APPENDIX: ENHANCING AUDIO PLAYBACK













## PLUS A WHOLE ARRAY OF MIND-SHATTERING FEATURES! (cont.)

### Speakerphone

Break away from answering calls with your phone! With Sound Blaster Roar 2, you can now have your calls on the speaker with its built-in microphone for an absolutely hands-free experience. You can even record your calls!

#### Here's how you do it!









- 1 Connect your smart device.  
(Ensure the microphone is on)    
  - 2 Press  /  to answer an incoming call.
  - 3 Press  /  again to end a call.
- To reject a call:**  
Press and hold  /  for more than 2 seconds.

### Bedtime Mode\*

In **Bedtime Mode**, the Sound Blaster Roar 2 plays audio files from the microSD card and gradually reduces its volume before automatically shutting down. This is a useful feature for you to record yourself reading a bedtime story and play it back to your children as they are about to sleep.

\* Patent pending

#### Here's how you do it!

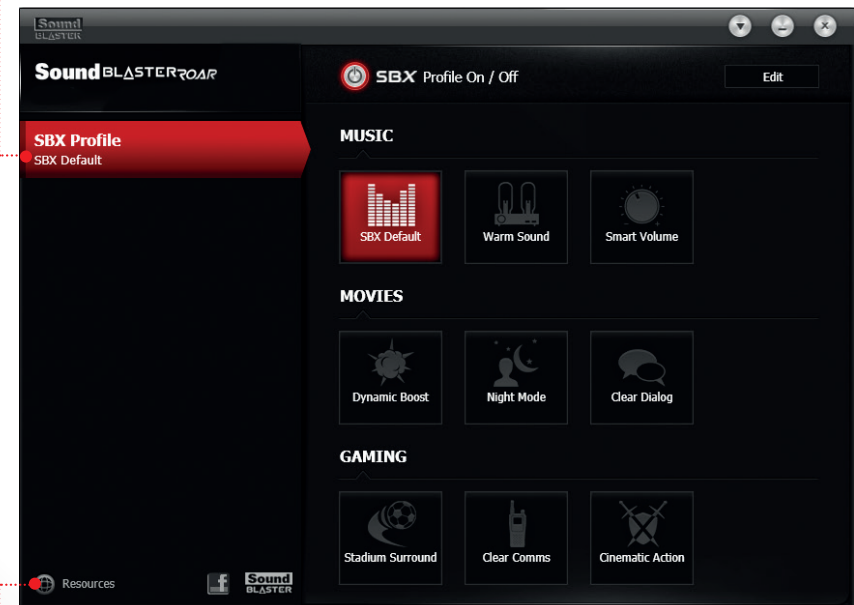
- 1 Insert a microSD card.
  - 2 Start audio playback.  
**To play music files:**   
Press .  
**To play voice recordings:**   
Press  (REC).
  - 3 Activate Bedtime Mode.   
**For 15 minutes:**  
Press and hold  (REC) until you hear **a beep**.  
**For 30 minutes:**  
Press and hold  (REC) until you hear **two beeps**.
- OR**
- To deactivate Bedtime Mode:**  
Press .

## SOUND BLASTER CONTROL PANEL FOR PC/MAC

The Sound Blaster Control Panel software works in tandem with the Sound Blaster Roar 2 to give you real-time enhanced control over your PC/Mac audio. Visit <http://www.soundblaster.com/downloads/ROAR2/SBCP> to download the Sound Blaster Control Panel.

#### SBX audio settings

- Shows the current audio profile loaded
- Select another profile or modify settings



#### Resources link

- To learn more about Creative products



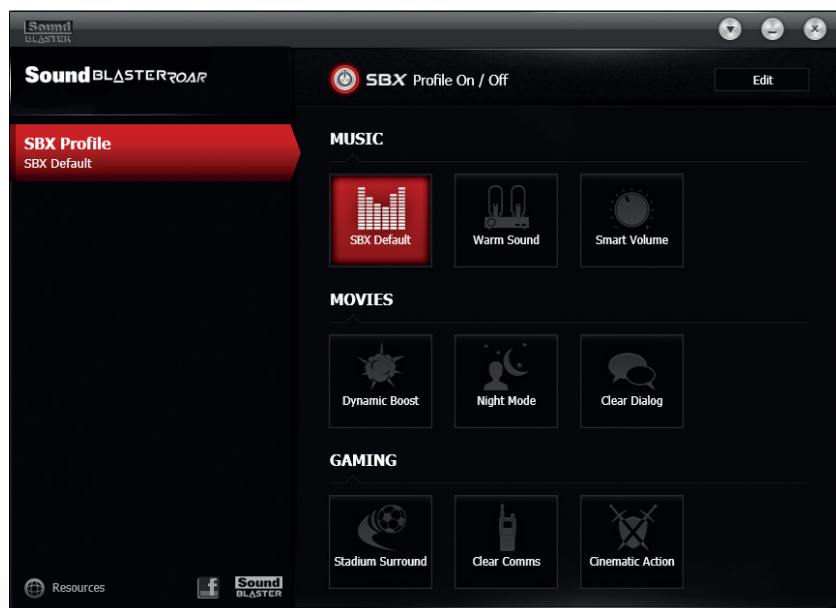
Switch the Sound Blaster Roar 2 to USB Audio mode before you install and run the Sound Blaster Control Panel.

## APPENDIX: ENHANCING AUDIO PLAYBACK

### PRE-DEFINED AUDIO PROFILES

A selection of pre-configured SBX Pro Studio-enhanced audio profiles have been optimized for most of your playback needs.

Click the **SBX Profile menu** to view and select an SBX Profile that matches your playback type.



### CUSTOMIZING PRE-DEFINED AUDIO PROFILES TO SUIT YOUR NEEDS

In the **SBX Profile** screen, click the [Edit] button on the top right corner and modify the options as desired.

**SBX Surround** – Move the slider higher to “open” up a larger sound field and simulate a surround speaker setup. A lower percentage gives a more “centered” audio.

**SBX Crystalizer** – A higher percentage means a larger amount of audio details restored.

**SBX Bass** – Slide the slider to adjust the enhancement of bass sounds. More harmonic tones will be added the higher you go. You can also adjust the Crossover Frequency to set the transition of bass.

**SBX Smart Volume** – Activate Smart Volume to normalize volume levels (Normal), pump up the volume (Loud), or reduce loud burst of sounds for those late night sessions (Night). Move the slider to adjust the intensity accordingly.

**SBX Dialog Plus** – To hear dramatically clearer dialog, slide the slider higher for more voice enhancement.



You can also **configure Equalizer** settings of the active SBX Profile. In the SBX Profile screen, click [Edit] and then click [Equalizer].

# CREATIVE®

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For more details on Sound Blaster products, visit [www.soundblaster.com](http://www.soundblaster.com)

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