

Troubleshooting The SM6BT Monitor

The Front LED Does Not Light Up

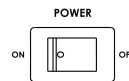
- Inspect the power cable. Never use one that has been altered in any way.
- Verify the AC power outlet is active and supplying the appropriate AC voltage.
- Verify the monitor's AC selector is set to the proper setting with the correct fuse installed (refer to page 7 for fuse rating and how to access the fuse compartment). Make sure that the fuse is not blown.
- Verify that the power cord is securely plugged into the unit and the power AC outlet.
- Check that the monitor's POWER switch is ON.
- Check to ensure the LED ON/OFF selector is in the correct position.
- If the fuse(s) blow once the monitor is switched on, please contact Earthquake Sound Technical Support at (1-510-732-1000 or tech@earthquake-sound.com).

The Front LED Lights Up But There Is No Sound

- Perform the troubleshooting steps above before proceeding with the next steps.
- Verify that all devices plugged into the same AC outlet are still working.
- Make sure that the signal source (e.g., mixing console, DJ workstation, etc.) is at a level that can properly send a signal to the monitor(s).
- Make sure the VOLUME knob (system gain potentiometer) is turned fully clockwise to +6dB.
- Ensure the audio source cable is firmly plugged into both the source output and the monitor input.
- If operating two monitors and this problem only occurs on one of the units, exchange the audio input cable from the non-working unit to the working one to determine where the problem lies (the monitor, the cable, or elsewhere).
- If the problem persists, please contact Earthquake Sound technical service.

The Monitor Suddenly Stops Working

- Turn the SM6BT monitor off.
- Perform the troubleshooting steps above before proceeding with the next steps.
- Carefully check if the amplifier's back plate is hot. It is possible that the protection circuitry was triggered and shut down because it ran at its highest power output for an extended time. Turn the monitor power off and keep it off for at least 30 minutes to allow the amplifier to cool down before turning it back on.
- Increase the volume to check for normal operation.



3. Main Power Switch

This switch controls the AC power going to the SM6BT monitor. We suggest keeping the switch in the OFF position when the monitor is not being used for an extended period of time.



4. 110V/220V Selector Switch

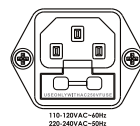
The SM6BT monitors can operate in a 110-120V or 220-240V environment. Simply slide the selector to the required power input setting and replace the fuse to the proper rating **prior to** connecting the monitors to a power source.

WARNING

USE OF IMPROPER VOLTAGE MAY RESULT IN HAZARDOUS CONDITIONS AND/OR DAMAGE TO THE MONITOR COMPONENTS THAT ARE NOT COVERED BY THE FACTORY WARRANTY.

CAUTION

FOR YOUR SAFETY, PLEASE MAKE SURE THAT THE MONITOR IS NOT CONNECTED TO ANY POWER SOURCE PRIOR TO ACCESSING THE AC SELECTOR AND FUSE COMPARTMENT.

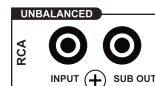
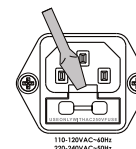


5. AC Power Inlet with Fuse Holder

This AC line connector is fused to protect the amplifier from unwanted power surges. Be sure to use the proper fuse rating when replacing the existing fuse:

ø5 x 20mm 2A/250V UL/VDE slow blow tube fuse

To access the fuse compartment, simply unplug the power cable from the monitor, place a flat-head screw driver in the small notch and pry it open as illustrated.



6. Subwoofer Output

This unbalanced RCA output is used for providing signal to a powered subwoofer if needed.

○ ON=L CH
OFF=R CH

7. TWS Status LED Indicator

This LED is the True Wireless Stereo (TWS) master speaker and slave speaker indicator. When TWS pairing succeeds, the software automatically assigns the master and slave speakers. Usually, the master speaker is the left channel, and the slave speaker is the right channel.



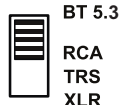
8. True Wireless Stereo (TWS)

This button is used to put the two SM6BT monitors in True Wireless Stereo pairing mode. See page #11 for TWS pairing procedure.



9. Pairing Button

This button is used to connect the SM6BT to a mobile device. See page #11 for pairing procedure.



10. Input Selector Switch

This is a 2-way selector switch that allows you to select between input methods. Sliding the switch up enables Bluetooth® and sliding it down enables the unbalanced or balanced inputs. When using the Bluetooth® input, make sure that this switch is set to the correct position before pairing to any Bluetooth® enabled devices.



11. LED ON/OFF Selector Switch

This is a 2-way selector switch allows for the user to turn the front mounted LED indicator light on or off.



12. Level Adjustment Knob

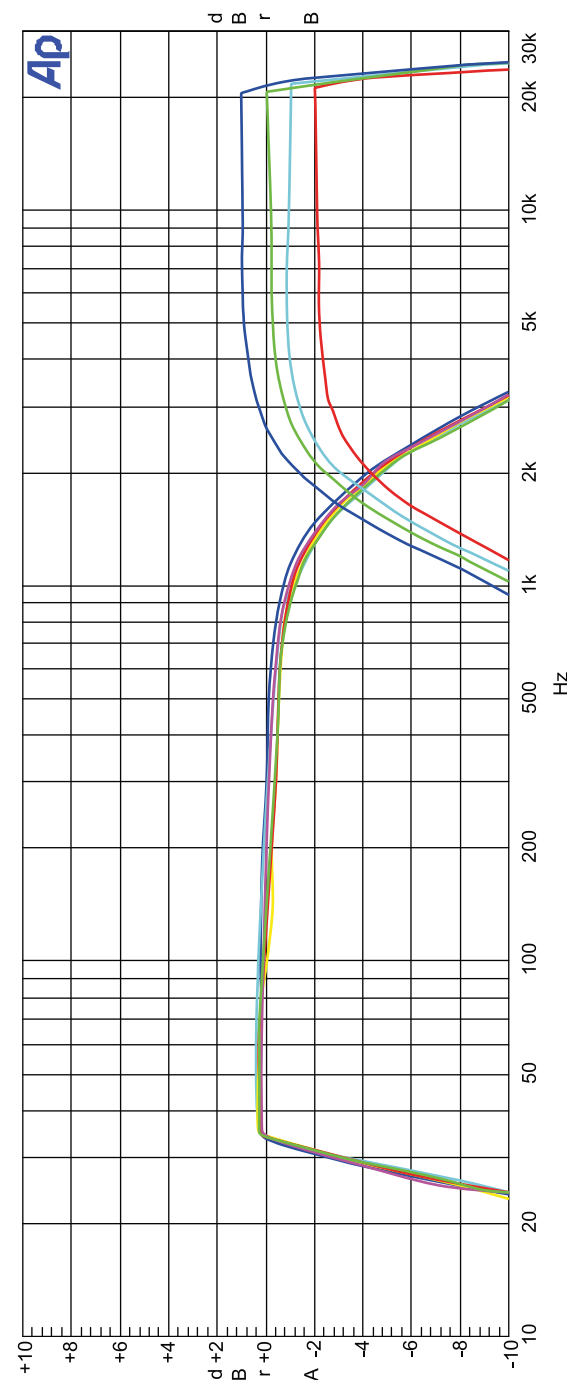
This level knob controls the monitor's input sensitivity. Typically, you would want to set the knob to the maximum setting (+6dB), adjust the source's output level and then use the level knob to match the left and right monitors.



13. HF Trim Knob

This high frequency adjustment knob is factory set at 0dB or flat. Simply adjust this knob accordingly to tailor the sound to your listening preferences.

Frequency Response



SM6BT Specifications

Configuration	2-Way
System Type	Bi-amplified Class AB Architecture
Enclosure Type	Rear Bass Reflex
HF Driver	2" Wide Band Ribbon Tweeter
LF Driver	6.5" Carbon Fiber Cone Woofer
Frequency Range (-10dB)	35Hz-40kHz
Crossover Frequency	2.8kHz @ 12dB/Oct
Power Rating (HF / LF)	30 Watts / 100 Watts
Peak SPL	108dB
Subsonic Filter	25Hz
Inputs/Outputs	10 kOhm Balanced 1/4" TRS & XLR 10 kOhm Unbalanced RCA RCA Sub Out Bluetooth® 5.3
Controls	System Level Control (80dB to +6dB) HF Level Adjustment (2dB, 1dB, 0, +1dB)
Cabinet Material	3/4" (20mm) MDF
Cabinet Finish	Matte Black Finish
Dimensions H x W x D)	12.75" x 9" x 11.5" 324mm x 228mm x 292mm
Fuse Rating	ø5x20mm 2A/250V UL/VDE slow blow tube

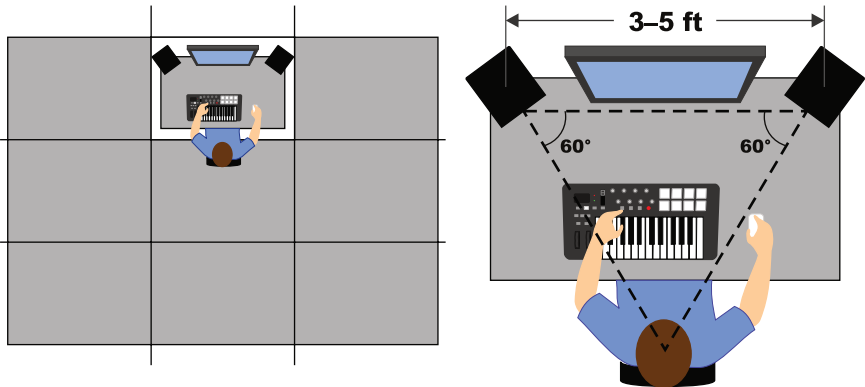
Specifications are subject to change without notice

SM6BT Monitor Placement

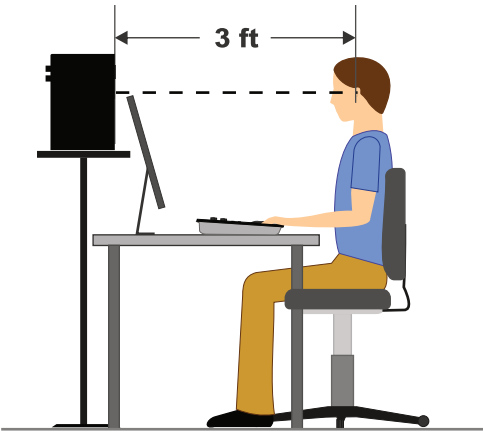
Proper placement of your SM6BT monitors is a crucial step in making sure that they perform at their best.

Studio/Stereo Application

Earthquake suggests placing the monitors within the front 1/3 of the room, about 3 to 5 feet away from each other and directed at a 60 degree angle towards your listening position.



Earthquake Sound suggests placing the SM6BT monitors at least 3 feet away to reduce distortion by reflection and diffraction. Because high frequencies are primarily directional, to achieve the most precise monitoring, the SM6BTs should be placed so that the ribbon tweeters are approximately the same height as your ears when seated at your listening position.

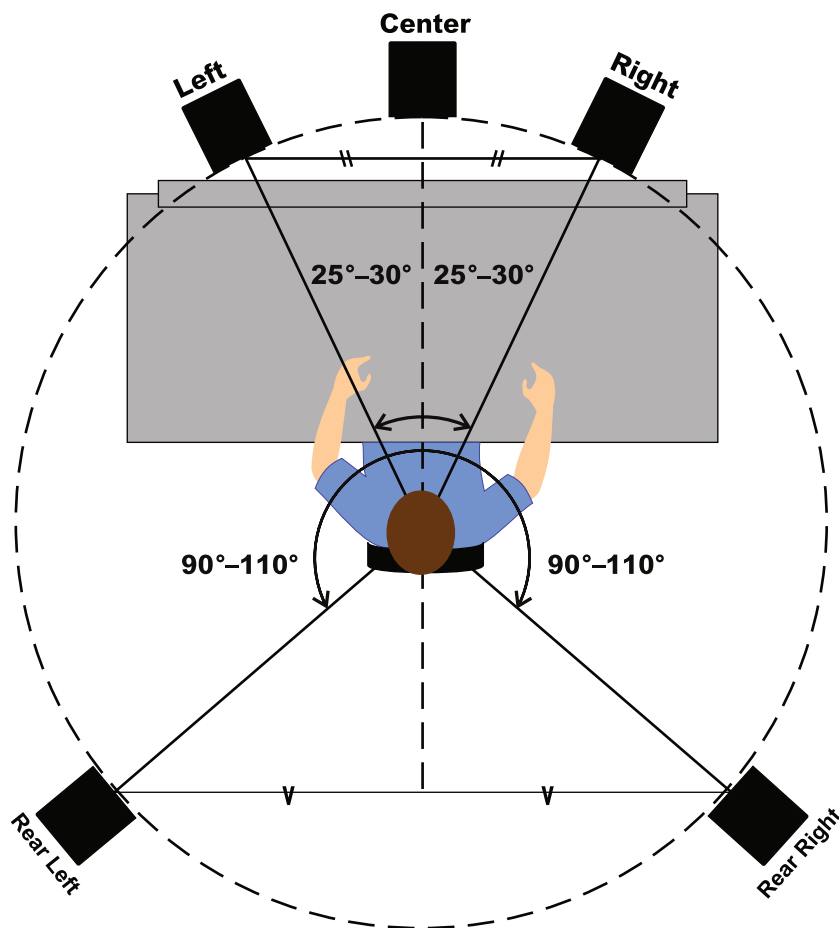


To attain the optimized performance, you may angle the monitors to aim towards your ears when in your listening position.

Avoid placing large objects near the monitors and listening position.

SM6BT Monitor Surround Sound Application

Begin by placing the center channel monitor right before your listening position. Then place the front left and right monitors at an equal distance and about 25 to 30-degree angle from the center. The three front monitors (left, center, and right) should form a slight arc, as shown below. Continue placing the rear monitors at an equal distance from the listening position and angled about 90 to 110 degrees from the center, as illustrated below.



Connecting Your SM6BT Monitor

For convenience, the SM6BT provides users with three different types of wired input connections as well as True Wireless Stereo via Bluetooth® connected devices. Use the information below to select the correct input method for your AV source equipment, whether for everyday general listening or professional studio-level applications. Set up your system in a way that best suits your listening needs.

Unbalanced RCA Input

The unbalanced RCA input is one of the most widely used inputs for home audio setups for driving signal from AV equipment. When possible, use high-quality cables of the shortest length to help prevent noise or interference from degrading the sound.

Balanced XLR & 1/4" TRS Inputs

Widely used in professional audio applications, balanced connections carry audio signals over cable runs that generally extend further than those in home audio and are likely to be exposed to potential sources of electromagnetic interference or EMI. The fully balanced XLR/TRS combo input can be utilized when the distance between the SM6BT monitor and the audio source is excessive and susceptible to EMI. This combo input is a true balanced input with both conductors isolated relative to ground. Although widely used by audio professionals, these connectors are not limited to everyday users.

Bluetooth® Pairing & Connecting

TWS Pairing

Press and hold down the TWS button on the master and slave SM6BT monitor speakers for more than 2 seconds. You will hear the "TWS PAIRING" prompt tone. Wait a while, and the monitors will pair with TWS mode (and sound the TWS CONTROL tone). Master SM6BT monitor (left channel) green LED bright, slave SM6BT monitor (right channel) green LED off.

Mobile Devices Connection

Press and hold down the PAIRING button of the master SM6BT monitor speaker for more than 2 seconds (LED fast flash), and the mobile device can be paired with the master speaker. You will find "SM6BT" in the list of available Bluetooth® enabled devices to connect. Once the connection is successful, the LED will stop blinking, and you can hear the prompt tone of "successful pairing."