BING CARBON MICROPHONE
USER GUIDE
Rev. 2.1

Thank you for choosing to add the Bing Carbon Microphone to your sonic toolkit! Designed as a special effects microphone for professional use, the Bing Carbon Microphone adapts the technology of the telecommunications industry to provide a unique way of grabbing sounds.
It has been constructed to be a durable piece of equipment that will give many years of unique gritty lo-fidelity distortion. In order to maintain your microphone and ensure long life, please read and understand this simple guide before attempting to install and use the microphone.

FEATURES
-Phantom powered
-Standard 5/8" mic stand mount with clamping knobs for adjustable angle
-Durable 1/8” thick polycarbonate housing
-High quality Switchcraft XLR connector
-Rugged carbon element is not damaged by high SPL or impact
-Hand crafted in Michigan

SPECIFICATIONS
OUTPUT: Transformer balanced, Impedance 150Ω, XLR pin 2 positive
GENERATING ELEMENT: Single button carbon
POLAR RESPONSE: Cardioid
REQUIRES PHANTOM POWER TO OPERATE
CURRENT CONSUMPTION: Approx. 3mA with 48V phantom power applied.

LIMITED LIFETIME WARRANTY
With normal use and care, the Bing Carbon Microphone should continue to operate for many years. However, if your microphone stops working or a part of it breaks, please contact us for information on how to arrange for a repair. If the damage is caused by defects in materials or craftsmanship, Bing Carbon Microphones will cover the cost of parts and labor.

Using the mounting hardware:
-Do not over tighten angle adjustment knobs
-The knobs rotate in opposite directions when tightening or loosening.
-Before adjusting the angle of the microphone on it's aluminum bracket, slightly loosen both knobs first, and then re-tighten them once the mic has been adjusted to it's desired angle.
-When attaching to a stand, do not over tighten. In order to prevent thread wear or damage, rotate the adjustable part of the mic stand clockwise while holding the microphone steady to thread it onto the stand.

Phantom powering:
-Plug in the microphone **before** switching on phantom power. This will reduce the chances of damage to your microphone/preamp/mixer and will lessen the possibility of input or microphone output transformers from being magnetized.
-Use a phantom power supply or preamp that provides 48V to the microphone. Although it will work with units that supply a lower voltage, such as 12V, the resulting responsiveness of the mic will be diminished.

Important considerations for maintaining your microphone:
-If the Bing Carbon Microphone is used for vocals, the front cap may be wiped with a sanitizing solution or may be removed and washed with antibacterial soap and warm water.
-Carbon in the transmitter element may compact over time due to moisture from speech, atmosphere and electrical current, making the mic less sensitive. This is one of the downsides of all carbon microphone technology. Bing Carbon Microphones use carbon transmitters that have a moisture barrier, but it is possible that you will need to occasionally break up the clumped up carbon by tapping or impact to the mic.

If your microphone seems to be less responsive to incoming sound:
Hold the microphone in your hand by the body, not the mounting bracket. Make sure the bracket is tight so it doesn't swing around. Using the palm of your hand, smack your hand against the front end or side of the microphone briskly, but not too hard! Please don't hurt your hand! After several whacks, try the mic again. It should now be more responsive.

If the previous suggestion did not substantially improve the sensitivity, you may carefully perform the following operation:
Unscrew the front cap and carefully remove the microphone element. Drop on a hard surface such as a table from approximately 12" or 300cm high a few times. Don't be afraid, the carbon microphone element is rugged and can take abuse, as long as you're not denting the metal or breaking the plastic on the front. Be careful not to bend the two tabs that contact the carbon element when performing this maintenance.

Please visit www.bingcarbon.com for more information. If you have any questions please feel free to contact carbonmicrophone@gmail.com.