

## **Introduction**

A successor to the Stellar X2, the Stellar X3 aims to improve all aspects of its predecessor. This includes an improved custom circuit, as well as a more carefully tuned capsule. In addition, the Stellar X3 features a new body design and a more reliable shock mount.

## **New Custom Transformerless JFET Circuit**

The Stellar X3 brand new transformerless JFET circuit has been carefully tested and measured via audio injection to provide the best response from our capsule. This creates a circuit that complements the K67 capsule beautifully by adding warmth and detail in just the right areas. Additionally, the circuit is also able to handle transients well which makes it a great choice for drum overheads, acoustic guitar, and piano. Distortions are minimal and, because of its transformerless nature, the circuit does not add any unwanted compression effect.

## **High Quality K67 Style Capsule**

The K67 capsule in the Stellar X3 is carefully tuned by hand. It provides a better off axis coloration and a smoother mid range response than most other K67 style capsules. The capsule is made with 3 micron mylar as oppose to the traditional 6 microns for added sensitivity which improves the S/N ratio. Our gold sputtering process is able to consistently and evenly distribute the gold on the mylar. This means that every capsule from our microphones are very consistent in both tonality and durability.

## **Quality Control**

Every capsule in the Stellar X3 is individually tested for frequency response before it gets installed onto the rest of the microphone.. The frequency response must be within 1.5dB of tolerance or the capsule is rejected and re-tensioned to be tested again. Sensitivity of the microphone must be within 1dB. These tight tolerances ensure that every 2 Stellar X3 microphone will form a match pair. The last testing procedure involves placing the microphone inside a concrete box with foam lining to ensure the noise floor is within specifications. These strict quality control procedures ensure that your Stellar X3 will not only perform within specs but last a lifetime.

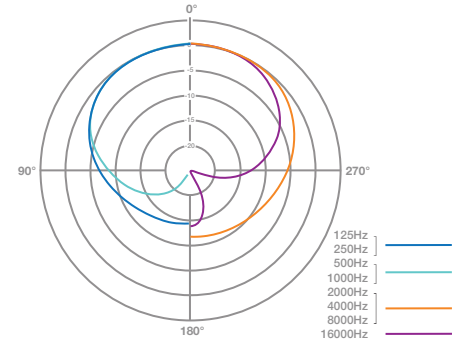
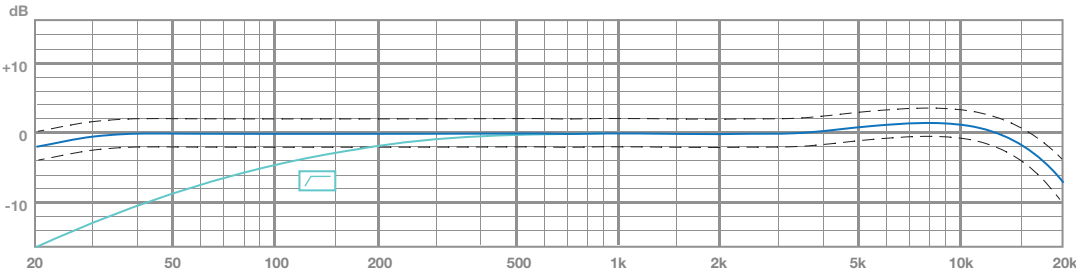
## **Warranty**

All TZ Products carry an included one year warranty from the date of purchase. Warranty will only cover defects from manufacturing or material and will not cover accidental damages, including but not limited to drops and improper care. Please email us with your order ID to use your warranty when need be.

Please keep your quality assurance card to use your warranty. If you did not receive a quality assurance card, please contact us immediately.

**Please register your product at [www.techzoneaudioproducts.com/warranty](http://www.techzoneaudioproducts.com/warranty) to get a free one year extension on your warranty.**

## Frequency Response and Polar Pattern



## Specifications

**Capsule Type:** Gold Sputtered 34mm K67 style

**Frequency Range:** 20Hz - 20kHz

**Polar Pattern:** Cardioid

**Sensitivity:** -33dB (0dB = 1V/Pa at 1kHz)

**Impedance:** 110  $\Omega$

**Max SPL for .5% THD:** 135dB

**Equivalent Self Noise:** < 8dB (A-weighted)

**Power Requirement:** 48V Phantom Power  $\pm 4$

## Included Accessories

Aluminum Flight Case

TZ Shockmount

3/8 to 5/8" Adapter

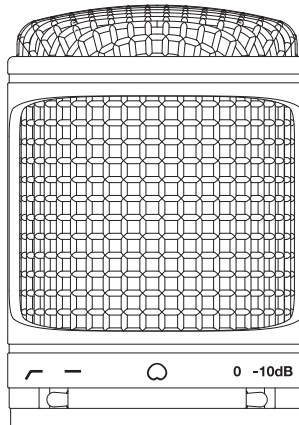
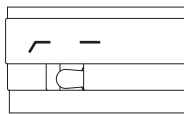
Foam Wind Cover

Leather Bag



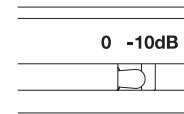
## High Pass Filter

Turning on the high pass reduces the proximity effect when speaking up close to the microphone. It also reduces background noise such as rumbling.



## -10dB Pad

This switch increases the microphone's headroom. Engage this switch if you need to record loud sources without the fear of clipping.



## Powering

This microphone requires a phantom power source of 48V to operate properly. Be sure to use a proper balanced XLR to XLR cable when using this microphone.

## Care

To ensure longevity with this microphone, please store it in its included case when not in use.