

GETTING THE MOST FROM YOUR SONTRONICS DELTA



- **Getting started:** Connect your XLR cable to your preamp or mixing console, then turn on the phantom power. Unlike regular ribbon microphones, DELTA will only operate with phantom power. Thanks to its increased sensitivity and stable, consistent output levels, DELTA requires less gain from your preamp, resulting in higher signal levels and less noise.
- **Microphone placement:** When using DELTA to mike an electric guitar cabinet, you can achieve a variety of tonal effects depending on where the mic is placed. Experiment by placing DELTA directly in front of the centre of the speaker cone or slightly off-centre to see how the tone changes. Repeat the same process but try changing the distance of the microphone from the speaker. Experiment by placing the DELTA directly in front of the speaker grille or at arm's length to achieve different characteristics to your sound.
- **Protection:** DELTA's sensitivity has been engineered for use with electric guitar amplifiers in live sound reinforcement applications. However, as with any ribbon microphone, it should be handled with respect.
 - > When miking a guitar amplifier for Public Address (PA) systems, it is not always necessary to have your amp's level controls set to maximum since the PA system will be doing most of the hard work! Lower amp levels can help prolong the life of your DELTA and other equipment.
 - > When placing the DELTA in front of an amplifier, begin with a low level and increase it until you achieve the tone you like.
 - > If you can't avoid using extremely high levels of amplification, we advise the use of the pad (attenuator) feature on your mixer or preamp in order to reduce the chance of signal overload. We recommend using a -20dB pad to achieve the best results.
 - > NEVER BLOW DIRECTLY INTO DELTA! If you use DELTA on vocals or for miking brass and woodwind instruments, take care to avoid blowing directly into the unprotected face of the mic. Always use a pop filter to help disperse the force of the air pressure reaching the ribbon element.
- **Pickup pattern:** DELTA's pickup pattern is figure-of-eight and, in common with all ribbon microphones, you'll notice slightly different characteristics when using the front or rear, effectively doubling your creative potential!
- **Frequency response:** Unlike condenser mics, ribbon mics do not have an accentuated high-frequency response. To the untrained ear, this can sound quite strange, but when your ears have grown accustomed to this, you will discover how useful DELTA is, especially when miking instruments that have a high-frequency bias. As a result, room ambience and 'air' are minimised, and the instrument or voice sounds very natural.
- **Applications:** DELTA is perfect for recording the following: electric guitar cabinets, alto and tenor saxophone, cello, violin, drum overheads and trumpet. Of course, if you find DELTA produces great results on any other instruments or sources, please let us know!