



## EMIC MICROPHONE CARE TIPS

Your Fitness Microphone is an important and expensive purchase – your best tool to be an effective teacher. To get the most from your microphone some basic guidelines for care need to be followed. Below is an over view of your microphone and some helpful information.

- **Storage - Giving your microphone a rest between classes with a place to dry out is important.** Whenever your microphone is not in use, store it some place safe from abuse with plenty of air circulation – to promote drying. Ideally, having a hook near or inside your sound system rack makes it easy.
- **Capsule/Element - Protect the capsule/element – the most important part of the microphone is capsule/element** – the part you talk into. Damage to the capsule no matter how small it seems will affect the sound quality and/or usability of the microphone. **The capsule can be ruined by cleaning or wiping with sanitizers, cleaners, or alcohol** – it will melt any sweat-proofing/waterproofing protectant used on the element onto the microphone element diaphragm and not allow it to pick-up sound. Flooding the capsule can happen with over-use and improper dry time between classes.
- **Cable – The microphone cable on most headsets is very delicate.** Fortunately for you, by purchasing an Aeromic, Cyclemic, or E-mic the headset cable contains steel core cables – this adds strength but does not mean the cable is un-breakable. Damage to the wire can occur by compromising the external jacket by cutting it, scraping it, cracking it (by cleaning it with wipes, solvents, or alcohol leading to drying and the wire becoming brittle). You can also damage the cable by putting sharp kinks in it – the cable may be strong but the wire shields can become damaged by pinching or kinking the wire – once the jacket is compromised the bare wires inside touch and cause a short (loss of sound) or crackle. **Do not wind your headset wire around the headset** – it will kink the wire and shorten the life of your microphone.
- **Connector** – The connector – the end that plugs into the body pack – is important and **should always be kept clean**. Fortunately for you, by purchasing an Aeromic, Cyclemic, or E-mic the headset you have additional sweat protection at the connector, but it will still require regular maintenance. The connector can corrode to the transmitter pack if not regularly cleaned with De-Oxit and protected with a dab of E-gloop. In heavy use environments once a month, quarterly under lighter use conditions.
- **Windscreens - Windscreens need to be cleaned and changed out on a regular basis.** If your microphone came with a windscreen (E-mic) then you should always use a windscreen. If your microphone does not come with a windscreen (Aeromic/Cyclemic), then don't use a windscreen. The builder of the microphone had specific purposes in mind when designing the microphone – the microphones were built to those specifications with the proper materials and tolerances. For some microphones, (Aeromic/Cyclemic) a windscreen is like a 'sweaty sock' and will help degrade the microphone build if used. For others (E-mic) the windscreen helps the microphone perform better by allowing the user to have the element closer to the user's mouth to take advantage of the noise cancelling features of the microphone design. In any event, the windscreen should be removed when the microphone is not in use.

**Remember** a little care goes a long way – and a little neglect/abuse will cost your investment.