



Battery Usage & Maintenance Tips for Your MIPRO Portable PA System

The typical lifespan of a well-maintained lead-acid battery is approximately two years. How the battery is used and maintained plays a big role in its longevity. Here are some quick tips to help you get the most out of the batteries in your MIPRO Portable PA System.

Always charge the batteries in your MIPRO Portable PA before and after each use.

Always power off both the PA system and the transmitters when not in use to conserve battery power.

Sealed lead-acid batteries do not like deep cycling. Each full discharge will put strain on a battery and diminish battery life. To prevent batteries from being stressed through repeated, full discharges, we recommend charging the system anytime it is not in use. Leaving the system plugged into a power outlet for long periods of time will not harm or damage the system or its batteries. The charger will not over charge the batteries; the built-in automatic protection circuitry will automatically shut-off when the system is fully charged.

For proper maintenance of a sealed lead-acid battery, it is important to fully charge the battery at least every two to three months. The battery may become incapable of holding a charge if it is left uncharged for long periods of time.

Heat is by far the largest factor when it comes to reducing battery life. The optimum operating temperatures for sealed lead-acid batteries are between 20-25° C (68-77° F). As a guideline, every 8-10° C (46-50° F) rise in temperature cuts the battery life in half. When a portable PA system is operating outdoors and in direct sunlight, the temperature inside the unit could easily exceed the 10° C (50° F) rise in temperature noted above. Consequently, the reduction in usage hours could be as much as 75% when compared to operating at optimal operating temperature. To prolong battery operating time, you may find it helps to place the unit under a shade to shield it from direct sunlight. Otherwise, it may be necessary to plug the unit into an AC outlet for operation on extremely hot days. Remember to always store a portable PA system with rechargeable batteries in a cool, dry place.

At some point, replacement of the batteries in your MIPRO Portable PA System will be inevitable. When the time comes, we strongly recommend only using batteries recommended by MIPRO.

