

Extending the Battery Life of Portable Listen Devices

Overview:

This tech note will review various tips on extending the battery life of Listen devices that utilize the LA-365 Li-ion battery during daily use. For other tips and recommendations about long-term overall care of the LA-365 batteries, please refer to our [LA-365 Lithium-Ion Battery Best Practices](#) tech note.

Applicable Devices:

- ListenTALK Transceiver (LK-1)
- ListenTALK Receivers (LKR-11 and LKR-12)
- Listen iDSP Receivers (LR-3200, LR-4200, and LR-5200)

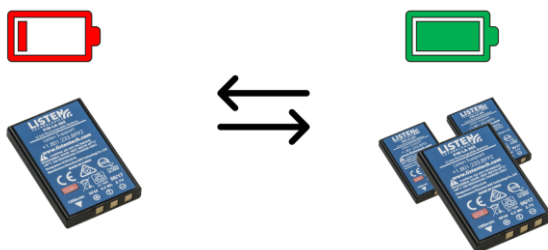
Tip# 1: Charge Devices When They Are Not In-Use

It is recommended that units are charged throughout the day when they are not currently in use by an individual. This can include breaks in the workday (e.g., lunch breaks), between presentations or sermons, or between tour group outings. Li-ion batteries operate best with shorter charge cycles, rather than waiting to charge the battery when it is completely depleted.

This method tends to be simpler and should be utilized if possible because it does not include the need to replace components or to carry additional accessories. The portable Listen devices can be charged via USB to micro-USB ([LA-421](#), [LA-422](#), or [LA-423](#)) or via compatible charging dock. Allow yourself enough time to charge the units to the desired battery level before returning to operations. Devices may require several hours of charging time if charging begins at lower battery levels. Refer to our website or the device manual for charge time specifications.



Tip# 2: Replace a Depleted Battery with a Pre-Charged Battery



When a device's battery becomes significantly depleted or dies, the battery can be replaced with a pre-charged battery. The depleted battery can then be placed into a charger to start the recharge process. Instead of exchanging the entire device to continue operations, replacing the battery itself will allow the user to keep the

same device where it will retain the same settings (all Listen devices) and pairing information (ListenTALK only) to make for a smoother transition.

A user may pre-charge batteries in other Listen units or with a third-party NP60 charger. Listen units contain a battery compartment, so accessing the battery and replacing the battery are very simple. Please refer to the corresponding unit's device manual for instructions. Additional batteries can be found and purchased on our website [here](#).

Tip# 3: Use a Third-Party External Battery Charger

Similar to other portable electronic devices needing to be recharged while a user is mobile, Listen devices have the ability to be recharged with third-party external battery chargers or power banks. This is particularly useful when units will be away from a docking station or a wall charger for long periods of times. Since the user will be carrying both the Listen unit and the external battery charger connected by a USB charging cable, it is important to keep them in a secure location on the body, in a bag, etc. so that any one device does not become dropped or pulled away from the other device.



The [INIU portable charger](#) has been tested and deemed a good fit by the Technical Services team. However, external battery chargers come in many different shapes, styles, and charging capacities, so please shop according to the charging needs and desired placement of devices (e.g., flatter battery packs will usually fit better in a trouser pocket).

*Note: It is highly suggested to set the Auto Power setting to **OFF** on your Listen unit. Without this feature disabled, the transmission signal of the device will cease to function when initially connected to external power sources. Otherwise, the user will have to manually turn on the unit after connecting to power. Settings can be adjusted within the internal programming menu of the unit (LK-1 and LKR-11 only) or via the unit's corresponding software suite.*

Tip# 4: Use AAA Batteries with the LA-435 Battery Compartment (ListenTALK Only)

Having the option for AAA batteries using the [LA-435](#) battery compartment for ListenTALK can prove to be useful for some users. It can either be the primary source for powering the units or could be a great backup solution if the rechargeable Li-ion battery were to become fully depleted. If there is access to replacement AAA batteries, this solution will ensure that the user



can allow continued power to their ListenTALK unit and retain the same settings and pairing information. Below is the battery life of the ListenTALK units when powered by AAA batteries:

- Participant / Sub-leader: 7 Hours
- Leader: 4 Hours

Should you have any further questions or concerns, please contact Listen Technologies' Technical Services team at 1-800-330-0891 or support@listentech.com for assistance.