

COX BOX / BLUE OCEAN BATTERY INFORMATION

USAGE

Note alignment when inserting battery

Never force battery pack into UNIT

INSTALLING THE BATTERY PACK

NOTE the alignment guides on the battery pack - two on one end, one on the other.



For Cox Box: Charge the battery until **FULL** is shown on the screen.
For Megaphone: Charge in charger until solid green LED is shown.

CHARGING

A fully drained battery requires at least **6-8** hours to reach full capacity, Place your battery on charge whenever not in use, but avoid leaving it plugged in for more than three days at a time.

For Cox Box Charging:

From **0-90%**, the charge rate will be around **0.5%** of charge a minute. After it reaches **90%**, the charge is reduced and it will take longer to get to **100%**.

For Standalone Charger:

Charging indicators:

- Flashing Red - Charging 1 to 10%
- Flashing Yellow - Charging 11 to 25%
- Flashing Green - Charging 26 - 99%
- Solid Green - Fully Charged, 100%
- Flashing Red/Yellow/Green - See Errors section

SPECS

For Cox Box: Battery will typically last 4-6 (typical use is ½ volume and ½ talk time).

For Megaphone: Battery will typically last 8 hours (typical use is speaking 35% of time at volume level 6).

Voltage (new)	12.6 volts
Weight	105grams/3.7 oz
Size	2.8 x 1.8 x 1.5 in
Operating Temp	-10 to 50°C
Storage Temp	-20 to 45°C
Charging Temp	0 to 45°C

*As with any rechargeable battery, NK Battery packs can be expected to lose approximately **10-20%** capacity per year.

BEST PRACTICES

- » Batteries made prior to **2015** with low capacity can be helped by rebalancing.
 1. Drain battery completely
 2. Set aside for **2 days**
 3. After 2 days, charge unit until **full**.
- » Batteries after 2015 will "self-balance" but it is best to occasionally fully drain and fully charge these batteries (without 2 day waiting period) to have this happen.
- » Check the "spring pins" in the charger or Cox Box battery cavity to ensure none are stuck in the down position. If a pin is down, use alcohol to try and work it in and out to set back to proper height.
- » Dry off battery and charger before charging. Never charge a wet battery.

ERRORS (For Cox Box charging)

Hi Deg Err shown on Cox Box:

Clean all parts of the charging system with alcohol:

- » 5 prong CB socket, charging pins, battery pins in CB and battery contacts themselves.

BATT ERR shown on Cox Box:

Swap battery into another Cox Box. If issue follows battery, send in battery. If it follows Cox Box, send in Cox Box.

If Error persists, send back to NK for repair.

ERRORS (For standalone charger)

If charger flashes **red**, **yellow**, **green** in a sequence this indicates an error from high temperature or a poor connection:

High temperature:

Move to a cooler location.

Clean any corrosion on battery pins, charging pins and battery contacts with alcohol.

Connection Issues:

Ensure battery is seated and locked in place.

If you have to push down on battery to charge, send in charger for repair.

Check the 4 charging pins in the charger. If any are stuck in the down position, (while not plugged in) use alcohol and try and work it in and out to pop back into proper height.

If Error persists, send back to NK for repair.

AGE

No SN: Check date code Yxxxz. ZZ will be the year of manufacture. E.G., Y3112 was manufactured in 2012

SN 1870000 thru 1933854	2012
SN 1933855 thru 1995523	2013
SN 1995524 thru 2052771	2014
SN 2052772 thru 2113177	2015
SN 2113178 thru 2193854	2016
SN 2193855 thru 2193854	2017
SN 2267665 and higher	Date written on battery.

***Batteries typically last 3-5 years**

STORAGE

At the end of the season, charge the battery fully, disconnect from the charger, and store in a temperate, dry place (*between 50-80 degrees F*) until ready to use.

**A fully charged battery will self-drain in 3 months. If storing longer than 3 months, we recommend charging the battery to full around the 3 month mark.*

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