

IPICO Reader “Do’s and Don’ts”

- **DO** charge your reader for at least 8 hours before your event.
- **DO** unplug your Mascot Charger from electrical power between charging cycles (Lite Reader)
- **DO** plug in an external battery (if used) when you first turn on your reader. Use the IP0909 External Battery Cable provided with your reader.



- **DO NOT** wait until you hear the low battery alarm or have allowed the main batteries to discharge any length of time to connect an external battery to a reader.

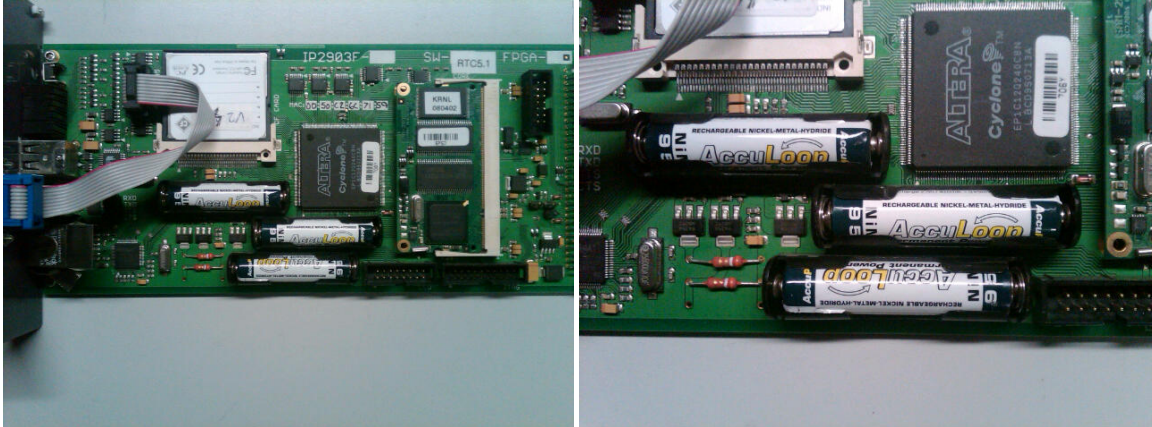
- **DO NOT** plug the IPICO Fast Charger into the “Batt. 12V” Port on the Elite Reader. Use the Blue Port only!



- **DO** use the “BATT 12V” Port to connect the Mains Power Supply or an external battery.



- **DO** replace Delta Batteries (Elite Reader) once a year.



- **DO** replace Decoder Batteries (Elite and Lite Reader) at 18-24 months.



- **DO** inspect main batteries (Elite and Lite Reader) at 36 months for corrosion and/or loss of capacity.



- **DO** clean all ports of your reader with “Canned Air” after events.
- **DO** turn on the Lite Reader, allow it to boot up and then insert the USB stick. Then wait for the two “beeps” to signal that the USB stick is ready to be written to.
- **DO NOT** use USB Sticks larger than 12GB in Lite Reader.
- **DO NOT** insert the USB stick before turning on Lite Reader.
- **DO NOT** remove the USB stick from the Lite Reader until you have pressed the Trigger Button and heard the four “beeps.”

- **DO** regularly inspect your mats' connectors to ensure that the locking collars are tight and that the brass center pin is straight.
- **DO** place your mats in parallel to each other 18-30" apart for best read results.



- **DO** overlap two mats "end to end" by one foot (30 cm) for best results.



- **DO NOT** place any metal objects or structures on, or within 12" of your mats.

- **DO** run the cable from the farthest mat beneath the geographic center of the nearest mat.



- **DO NOT** place mats near power transformers.
- **DO NOT** place mats over buried metallic structures or electrical sources.
- **DO NOT** run any electrical cables or sound cables beneath or within 12" of your mats.
- **DO NOT** place power adapters, Ethernet Hubs or Switches, power inverters, radios, generators or microphones within 12" of a reader or mat during an event.

- **DO** check that your Delta Card (Elite Reader) is fully booted before starting an event. You should have a solid Red Power LED and blinking Red CPU LED when fully booted.



FIGURE 50 – DELTA LED STARTUP PROCESS

The reader has finished the booting process when the “PWR” LED is maintains a solid red state and the “CPU” LED (both located on the Delta Module – diagram #4) blinks at a constant rate. At this point, all of the vital processes of the Elite Reader have started and the reader can now be accessed VIA LAN/Ethernet.

- **DO** check for a Red Power LED on your Receiver Card and a Blinking Red A or B LED and/or a Blinking Red Tag LED when reading tags from the mat.



- **DO** check that you have a Red Tag Read LED (Lite Reader) Green Power, TX-A and TX-B Status Lights lit on the reader before starting your event. You should also have a Red/Orange Flashing LAN LED Light if you are plugged in to the Ethernet Port.



- **DO** depress the “Calibrate Antennas” Button (Lite Reader) or the “Tune” Button (Elite Reader) when plugging a mat into your reader. This ensures that the mats are tuned to your particular setup of reader and mat placement.
- **DO NOT** attempt to use the Mascot Charger (Lite Reader) while the reader is turned on. You can use the Mains Power Supply #IP0910 to power the Lite Reader with the appropriate adapter cable (IP2626).