MCD-4800 Football
Battery Replacement Instructions

MCD-4800 Battery Replacement
Ground Control
Gen II - 2017
**Warning:**

- Avoid touching battery harness molex connector contacts during procedure.
- Do not touch circuit board components unless wearing a properly grounded ESD wrist strap.

**Parts/Tools Needed:**

<table>
<thead>
<tr>
<th>Gen 2 – MCD-4800 Battery Packs</th>
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<tr>
<td>9/64” Hex Wrench</td>
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<tr>
<td>7/16” Socket w/Ratchet Wrench</td>
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Procedure:

1. Unplug charger from MCD-4800

2. Open MCD-4800 lid and verify that power button is off/unlit
3. Remove eight screws that secure black top cover using a 9/64”s hex wrench & set aside

4. Unscrew RP-SMA antenna counterclockwise and set aside
5. Carefully lift black top cover, using raised placard on right hand side - lean upright against case lid

6. Warning: Do not touch battery connector contacts or exposed circuitry!
   a. Unplug battery connector
   b. Unstrap top and bottom Velcro retention straps
7. Remove used battery pack and set aside

8. Remove three dome retention nuts (shown above) using 7/16” socket and ratchet wrench
9. Lift dome upward from frame threaded studs until unseated

10. Unscrew coaxial connector counterclockwise from dome
11. Warning: Do not touch battery connector contacts or exposed circuitry!
   a. Unplug battery connector
   b. Unstrap top and bottom Velcro retention straps

12. Lift right edge of battery pack first and pivot around frame brackets
13. Lift the battery pack from the frame and set aside

14. Follow steps 3-13 in reverse to re-assemble your MCD-4800, using replacement battery packs.
   a. Ground Control asks that you please dispose of your used battery packs at an appropriate battery disposal facility.
   b. Remember to label your replacement batteries with installation date and order new battery packs every two years under normal usage.

15. Connect Gen II MCD-4800 charger to port on face plate
16. Charge until termination is achieved (at least one of the following)
   a. Cooling fan has turned off
      approximately 22.5 V with charger unplugged and unit powered on

17. Push down power button until latched
   a. Blue LED in button should light
   b. LCD screen on face plate should turn on and display scrolling text

   a. User Name: admin
   b. Password: gcmount

19. Click “New Full Battery” button and verify that LCD screen displays battery
    percentage is set to 100%.

20. Well done. You have successfully replaced the batteries and calibrated the
    battery level monitor in your MCD-4800. Thank you for choosing Ground Control
    Systems to provide this innovative satellite solution for your portable equipment
    and service needs.

For additional technical support call (800) 931-5559