

CommBat+

User Guide Version 1.0.1

The CommBat+ provides talk battery for use on copper wire pairs. Headsets or buttsets are used at each end to complete the talk circuit.

The CommBat+ applies up to 30VDC to the pair while limiting the maximum current to 10mA. The design prevents excessive current on short loops and automatically applies additional voltage to maintain adequate current for longer loops.

CONNECTION

The CommBat+ connects to a talk pair using the supplied cord. Connect the cord the Talk Cord jack on top of the CommBat+. Connect the clips to the cable pair. Polarity is not important. The headset/buttset is connected to the block on the talk cord. The second headset/buttset connects directly to the pair at the far end. A diagram is on the front of the CommBat+.



OPERATION

A toggle switch is located on the top of the CommBat+. Connect the talk cord to the CommBat+ and the cable pair. Toggle the switch to the Test position. A Green light indicates no battery or short was found on the pair and it should be OK to use as a talk pair. A Red light indicates battery was found and the pair and may be a working circuit. A Blue light indicates a short was detected. Select another pair if the CommBat+ does not show a Green light in the test position.

Toggle the switch to the Talk position once a Green light is shown in the test position. A Blue flashing light means the CommBat+ is waiting for a connection. The light will be solid Green when the far end is connected and the circuit is complete. A beep will also be heard when the circuit is completed.

Check the clips and ensure they are properly connected and not shorted if the talk circuit cannot be completed. A new cable pair may need to be selected. Tying two pairs in parallel can improve the talk circuit in some cases.

BATTERY TEST

A low battery is indicated by a Red light when the toggle switch is in the Talk position. The CommBat+ has less than 8 hours of operating time left when the CommBat+ indicates a low condition and should be replaced as soon as practical.

BATTERY SERVICE

Remove the battery cover on the rear of the CommBat+ and install four AA batteries. Batteries should be removed when the CommBat+ will not be used for an extended period. Batteries may leak and damage the CommBat+. Operational life may be extended by using long-life batteries.

SPECIFICATIONS*

DIMENSIONS

5.75" L x 3.25" W x 1.25" D

WEIGHT

14 oz., including batteries and talk cord

POWER SUPPLY

AA batteries x 4

MAXIMUM OUTPUT VOLTAGE

30 VDC nom.

OUTPUT CURRENT

10 mA nom.

OPERATION TIME

Approximately 10 to 18 hours approx., longer loops will decrease total operation time.

*Specifications subject to change without notice.

WARRANTY

The CommBat+ is warranted against defects in materials and workmanship for a period of one year from the date of purchase. Contact your local sales representative or the manufacturer for a Return Authorization (RA) number and instructions on returning the product for service. Products cannot be processed unless accompanied by an RA number.

Damages due to impact, battery failure, flooding, or normal wear are not included in the warranty.

The user is responsible for determining the applicability of the product for any application. The manufacturer is not responsible for any damages, direct or consequential, resulting from the use of its products.

Users are required to follow all work safety procedures when using this product.

The manufacturer will determine, exclusively at its own discretion, where repairs or replacement of the product is required for any warranty claim. In no case will the liability of the manufacturer exceed the original purchase price of the product.