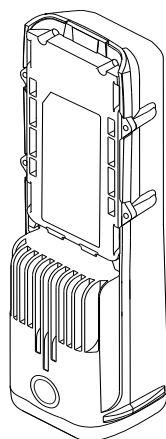




TP9000 AA Battery Clamshell

User's Guide



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Preface

Scope of Manual

This manual applies to the use of the Tait TP9000 AA Battery Clamshell. It is intended for end users of the product.

Alerts

Please follow exactly any instruction that appears in the text as an 'alert'. An alert provides necessary safety information as well as instructions about the proper use of the product. This manual uses the following types of alert:



Warning This alert is used when there is a hazardous situation which, if not avoided, could result in serious injury or death.

Notice This alert is used to highlight significant information that may be required to ensure procedures are performed correctly. Incorrectly performed procedures could result in equipment damage or malfunction.



This alert is used to highlight significant information that may be required to ensure that you perform procedures correctly, or to draw your attention to ways of doing things that can improve your efficiency or effectiveness.

Publication Record

Issue	Publication Date	Description
1	February 2024	Initial Release

Introduction

The Tait TP9000 AA Battery Clamshell is designed to work with Tait TP9800 series Non-Intrinsically Safe (Non-IS) radios that have radio firmware version 37.23.xx installed.

It is designed to fit in place of the standard battery pack and offers a convenient way of utilizing standard AA sized battery cells to power the radio unit in situations where power from the standard Tait battery pack is unavailable.

Notice To use the TP9000 AA Battery Clamshell, software release version 37.23.xx must be installed on the radio. An overvoltage lockout may occur when using the TP9000 AA Battery Clamshell, rendering the radio inoperable, if the incorrect radio software version is present. No permanent damage to the radio will occur from entering this state.



Warning Do not change the battery in a hazardous location. An explosion could cause serious injury or death.

Removing the Standard Battery



The battery is secured to the radio by a battery catch in the radio's rear panel.

To remove the battery from the radio so that the battery can be charged or replaced:

1. Rotate the power/volume control switch counterclockwise to turn off the radio.
2. Slide the battery catch up.
3. From the sides, pull (tilt) the top end of the battery away from the radio.
4. Lift the lugs at the bottom of the battery upwards out of the mating features at the bottom of the radio.

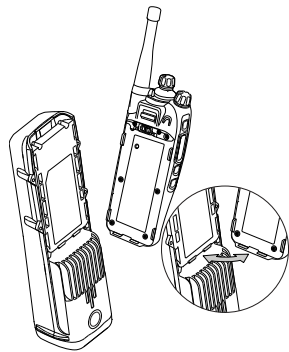


If the battery has been removed while the radio is turned on, turn the radio off and then on again before use.

Fitting the TP9000 AA Battery Clamshell

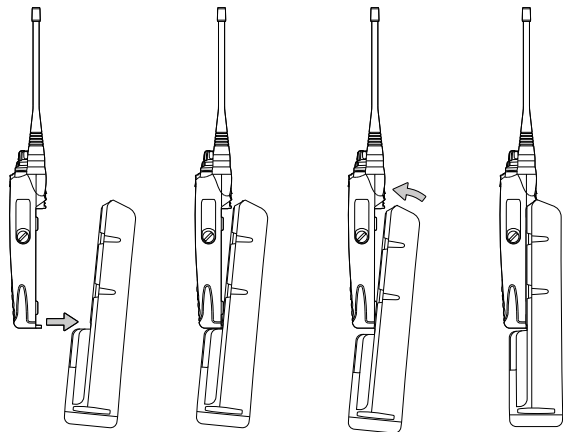
To fit the TP9000 AA Battery Clamshell to the radio:

1. Rotate the power/volume control switch counterclockwise to turn off the radio.
2. Locate the two lugs on the TP9000 AA Battery Clamshell into the bulkhead on the bottom face of the radio.



Notice Fit the bottom edge of the TP9000 AA Battery Clamshell to the radio, then the top edge. Attempting to fit the top edge first may damage the contacts.

3. Align the TP9000 AA Battery Clamshell with the back of the radio chassis and press the TP9000 AA Battery Clamshell and the radio together until the locking catch closes.



4. Check that the locking catch on the back top section of the radio is fully engaged and the TP9000 AA Battery Clamshell is secure.



There should not be a gap between the sliding part of the locking catch and it's housing. If there is a gap check the TP9000 AA Battery Clamshell and the radio are fully engaged.

Populating the TP9000 AA Battery Clamshell

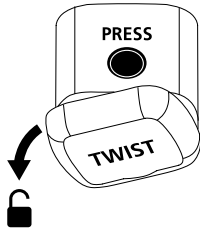
Notice Tait recommends the use of standard non-rechargeable Alkaline AA size single cell batteries. The use of other battery chemistry types may result in shorter shift times.



The TP9000 AA Battery Clamshell consists of an inner battery tray and an outer shell. The inner battery tray slides out from the outer shell to allow replacement of the batteries.

To open the TP9000 AA Battery Clamshell to fit or replace the batteries:

1. Press the release button on the TP9000 AA Battery Clamshell.
2. Twist the end cover in an anticlockwise direction to the **unlock** position.



3. Slide the battery tray out of the main unit.

To fit or replace the batteries:

1. Remove any existing used batteries from the battery tray.

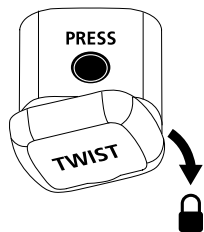
Notice Discard all batteries in the TP9000 AA Battery Clamshell once the radio unit is no longer operational. Mixing new and used batteries will result in unpredictable shift times or the radio not powering on.

2. Insert batteries into the battery tray taking care to install each of the individual batteries with the correct polarity as marked on the battery tray.

Notice Ensure that all batteries are installed with the correct polarity, as marked on the battery tray. Failure to install the batteries correctly will result in shortened shift times or the radio not powering on.

To close the battery pack:

1. Slide the battery tray back into the main unit.
2. Twist the end cover in a clockwise direction to the **lock** position.



Radio Battery Type Selection

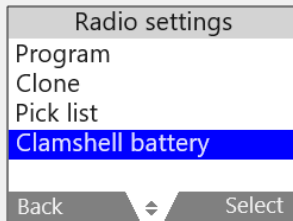
If using the TP9000 AA Battery Clamshell, set the radio battery type to Clamshell battery.



Setting the correct battery type allows the radio to provide more accurate information, such as battery levels, if a TP9000 AA Battery Clamshell is fitted. There is no effect on radio operation if the incorrect battery type is selected.

To set the battery type to Clamshell battery:

1. Navigate to Radio settings in the radio menu and select **Clamshell battery**.
2. Select **Yes** to change radio to TP9000 AA Battery Clamshell use.
3. Select **No** to change radio to standard battery use.



Visit <https://partnerinfo.taitradio.com> for more information.

