

Inserting a New Battery



Ensure you observe the orientation of the battery before installing. The correct orientation is defined by the white protruding connector block.

1. Carefully lift the new battery and place it in the battery slot.
2. Ensure the battery connector is fully engaged before tightening the captive panel screws. To do this, firmly push the battery using the handle and check that it is sitting flush with the outside rim.
3. Screw and tighten the captive panel screws.
4. Set the battery select switch to Internal Battery.

3.5 External DC Power

A DC input cable with red and black clamps (clips) is supplied with the transportable base station for connection to external DC supplies between 11 and 15VDC. Refer to the product label for the input voltage range.

To operate the unit from an external DC source, set the battery select switch to EXTERNAL AC/DC.



External DC supply will not charge the internal battery.

Notice When the transportable base station is not in use, always switch the battery select switch to External DC/Battery Isolate.

3.6 External AC Mains Connection

External AC mains must be connected to the unit using an AC power cable (see ["Mains Socket Wiring" on page 10](#)) made up from the supplied Shurter AC plug with female socket (IEC320 10A IP67). AC mains can be used to charge the internal battery and to operate the unit.

3.7 LED Indication Details

3.7.1 Repeater

LED	Indication	Details
Repeater Power	green	Repeater power is on
All LEDs/Alarm	flashing	Power up sequence is in progress
Alarm	on	Repeater is in offline mode
Alarm	flashing ^a	An alarm condition needs to be cleared
Receive	orange	Receiver is receiving
Transmit	orange	Transmitter is keyed

^aafter the four power-up sequences

3.7.2 Status

This LED is lit when running on AC power, or switched to internal battery.

LED	Indication	Details
Status	green	Battery is fully charged or above 20% charged
Status	red, flashing	Battery is low
Status	off	Battery has been disconnected due to low voltage

3.7.3 Charge

This LED is only lit when an AC supply is connected.

Set the battery select switch to EXTERNAL AC/DC when charging the battery with AC Mains.



External DC supply will not charge the internal battery.

LED	Indication	Details
Charge	red	Battery is being charged
Charge	off	Battery is fully charged

3.8 Antenna

The transportable base station is a 15W Repeater that requires a remote mounted antenna with a suitable ground plane. This antenna and internal duplexer must be tuned to the frequency of the Repeater. The transportable base station has an N-type antenna connector.



Risk of harm from RF radiation! While the Repeater is operating (transmitting), you must ensure that there is always a distance of 0.9m between people and the antenna. This is the minimum safe distance for controlled use.

3.9 Mains Socket Wiring

The repeater is shipped with a Schurter waterproof AC Mains socket. This will need to be wired by an electrician or electrically registered person.

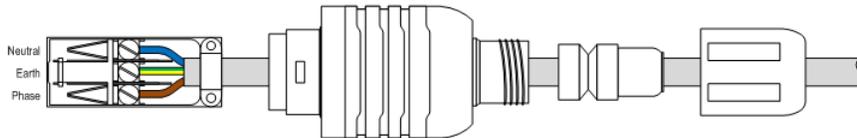


Figure 3.3 Schurter Mains Socket wiring



Warning Incorrect wiring of AC mains could result in death or serious injury.

Notice TB7304 is operation-ready. To change any configuration settings, refer to MBD-00001-xx TB7300 Base Station Installation and Operation Manual.