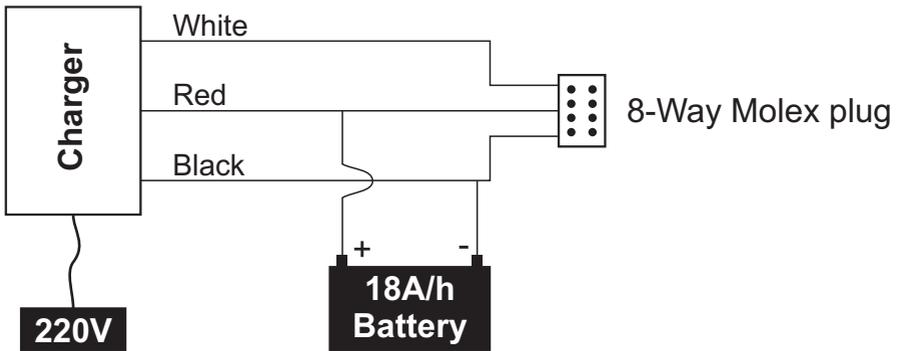


24hr Standby
082 444 7176

Base station / repeater

External battery installation guide

Connection Diagram



Reporter 8102 Without Rear Molex Connector

WARNING: Do not attempt this modification with the Mains lead connected to the base station/repeater or the 18A/h battery connected to the charger lead. Severe injury or damage to the equipment could result if this warning is ignored.

1. Disconnect the mains supply.
2. Open the reporter and remove both internal battery connections. Removal of the battery itself is optional.
3. Cut the three wires on the 3-pin mains socket at the rear of the Reporter Chassis. Unscrew and remove this connector.
4. Locate and cut the red and black wires running from the front PCB to the internal charger board at the rear of the reporter (behind the transformer). Cut the wires at the front PCB end to ensure that there is no chance of the loose ends shorting against the chassis. **Note: Do not cut the red and black wires, which connect the battery to the front PCB.**
5. Locate the thin white wire running along side the battery and cut as close to the internal charger board as possible.
6. Feed the external charger lead through the opening that was created by the removal of the mains socket.
7. Locate the adapter pigtail in the installation package. This pigtail has an 8-way rectangle Molex connector on one side and two spade lugs as well as a single terminal strip on the other side. Attach this pigtail extension onto the external charging solution connector, which has a mating receptacle.
8. Connect the red spade terminal to the red connector that used to be connected to the battery (press fit). Insulate any exposed part of the connection using insulation tape.
9. Connect the black spade terminal to the black connector that used to be connected to the battery (press fit). Insulate any exposed part of the connection using insulation tape.
10. Using the single terminal strip, connect the white wire of the pigtail to the end of the white wire (which was cut in step 5) running alongside the battery. The white wire should now connect the pigtail to the front PCB.
11. Ensure that none of the new connections pose a shorting risk either to the chassis or other components inside the Reporter.
12. Connect the external 18A/h battery to the charger leads using the round terminals that are crimped on the end of the leads. Ensure that the nuts securing the terminals are tight.
13. At this point the Reporter should be operational. If not check the above steps again to ensure the modification was carried out correctly.
14. Connect the mains lead of the charger into a suitable mains outlet.

Reporter 8102 With Rear Molex Connector

WARNING: Do not attempt this modification with the Mains lead connected to the base station/repeater or the 18A/h battery connected to the charger lead. Severe injury or damage to the equipment could result if this warning is ignored.

1. Disconnect the mains supply.
2. Open the reporter and remove both internal battery connections. Removal of the battery itself is optional.
3. Locate the adapter pigtail in the installation package. This pigtail has an 8-way rectangle Molex connector on one side and a 6-way Molex connector the other side. Attach this pigtail extension onto the external charging solution connector, which has a mating receptacle.
4. Attach the 6-way connector onto the socket at the rear of the reporter.
5. Connect the external 18A/h battery to the charger leads using the round terminals that are crimped on the end of the leads. Ensure that the nuts securing the terminals are tight.
6. At this point the Reporter should be operational. If not check the above steps again to ensure the modification was carried out correctly.
7. Connect the mains lead of the charger into a suitable mains outlet.
8. DO NOT RECONNECT MAINS SUPPLY TO REAR OF COMBINER SYSTEM.

Combiner 2004 With Rear Molex Connector

WARNING: Do not attempt this modification with the Mains lead connected to the base station/repeater or the 18A/h battery connected to the charger lead. Severe injury or damage to the equipment could result if this warning is ignored.

1. Disconnect the mains supply.
2. Open the Combiner and remove both internal battery connections. Removal of the battery itself is optional.
3. Locate the adapter pigtail in the installation package. This pigtail has an 8-way rectangle Molex connector on one side and a 6-way Molex connector the other side. Attach this pigtail extension onto the external charging solution connector, which has a mating receptacle.
4. Attach the 6-way connector onto the socket at the rear of the Combiner.
5. Connect the external 18A/h battery to the charger leads using the round terminals that are crimped on the end of the leads. Ensure that the nuts securing the terminals are tight.
6. At this point the Combiner should be operational. If not check the above steps again to ensure the modification was carried out correctly.
7. Connect the mains lead of the charger into a suitable mains outlet.
8. DO NOT RECONNECT MAINS SUPPLY TO REAR OF COMBINER SYSTEM.

Reporter D20 With Rear Molex Connector

WARNING: Do not attempt this modification with the Mains lead connected to the base station/repeater or the 18A/h battery connected to the charger lead. Severe injury or damage to the equipment could result if this warning is ignored.

1. Attach the 8-way connector onto the socket at the rear of the D20 chassis.
2. Connect the external 18A/h battery to the charger leads using the round terminals that are crimped on the end of the leads. Ensure that the nuts securing the terminals are tight.
3. At this point the D20 system should be operational. If not check the above steps again to ensure the modification was carried out correctly.
4. Connect the mains lead of the charger into a suitable mains outlet.

24hr Standby
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