

# Baby Tag Charger

## 1. Introduction

The Charger (Figure 2-1) is a microprocessor controlled charger which enables recharging the baby tag battery. This charger allows up to six tags to be charged simultaneously. Tags are locked into cradle and a Tray (optional) is provided for matched Mother Wrist tag (Figure 1-1). The Charger is powered by 9V / 1A external DC supply. The battery charger has LED indications for Battery charging, Battery ready and Battery failure. A **self test** ensures correct functionality of LEDs.

**Note:** It is recommended that a Baby Tag Charger be available for every 12 Baby Tags in a system. For Example: 4 Chargers are recommended for a system comprising of 50 Baby Tags where 25 are in use. This enables the remaining unused Baby Tags to be placed in the Charger for safe-keeping.

## 2. Charger Mechanisms

1. Green LED (Power ON)
2. Red LED (Charging/Failure)
3. Green LED (Fully charged)
4. Locking Mechanism
5. Release button

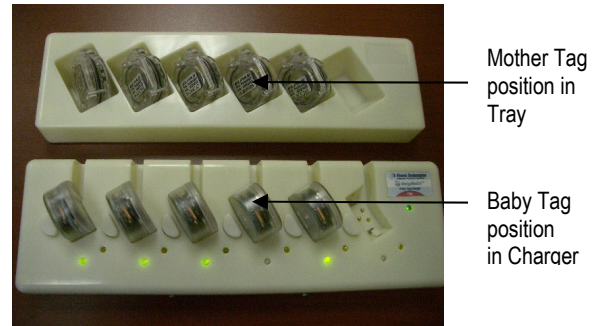


Figure 1-1. Tag Position in Charger

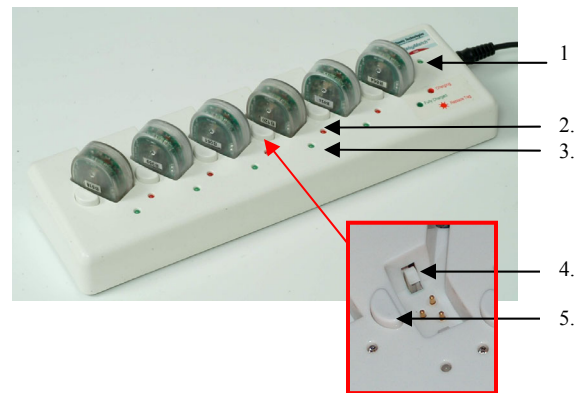


Figure 2-1. Charger

## 3. Power Up

The Charger is powered by 9V / 1A external DC supply. Connect the Power Supply Adapter cable to the Charger as shown in Figure 3-1.

Connect the Power Supply cable to the Adapter cable as shown in Figure 3-2.

Power ON is indicated by a green LED (2).

Upon power up, the charger executes a self test– The red LED (4) lights followed by the green LED (5) and then again the red LED, after which the LEDs turn off.

When disconnecting the Charger from the power supply, wait at least 5 seconds before reconnecting it.

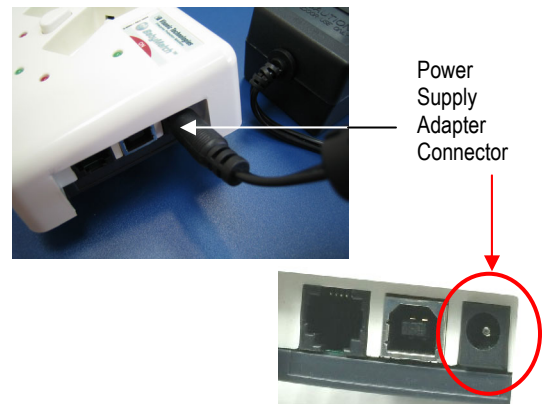


Figure 3-1. Connecting Power Supply Adapter

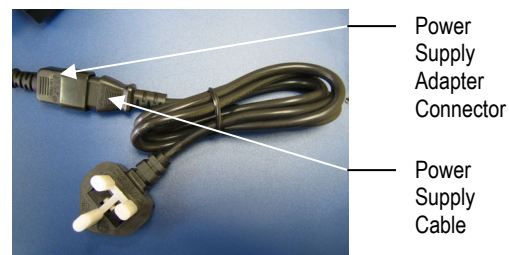


Figure 3-2. Connecting Power Supply Cable

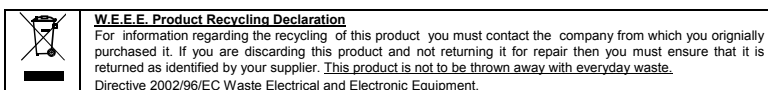
## 4. Charging the Baby Tag

Step No.	Description	LED Indication
1	Check that green and red LEDs are OFF (see Figure 2-1 No's 2 and 3). Insert the Baby Tag into one of the cradles. The tag should lock in the charger (see Figure 2-1 No.4). If the Baby Tag is placed incorrectly in the Charger, it will not click into place.	Once in place, the charger performs a self-test (red/green/red LEDs).
2	Battery is charging	Red LED is ON.
3	Battery is full	Green LED is ON
4	To release the Baby Tag from the Charger press the tag release button (see Figure 2-1 No.5)	Short flashing of both LEDs
4	Fails to charge / requires service	Flashing red LED

- Charging a Baby Tag takes on average 3-4 hours for a tag which has been used for 2-3 days
- It is recommended to recharge the Baby Tag before each use. A Baby Tag can take up to 24 hours to reach full charge. First time charging can take up to 36 hours for the Baby Tag to fully charge. Wait for green LED on Charger to light.
- A separate Tray (optional) can be placed alongside the Charger (see Figure 1-1). The matched Mother Tag is placed in this Tray next to the corresponding Baby Tag so that the pair remains together.
- If red LED is flashing (indicates battery failure), the Baby Tag must not be used, return for service.

**NOTE:** If red LED or green LED is not lit, this means that the Baby Tag is not placed correctly in the Charger cradle.

**NOTE:** After Baby Tag has fully recharged and the green LED is ON, release the Baby Tag from the Charger. Wait 5 seconds for green LED to turn OFF before placing a different Baby Tag in the Charger for recharging.



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