



Model 701 Digital Library Assistant

Intended Use

The 3M™ Model 701 Digital Library Assistant (DLA) is designed and tested for use in processing 3M™ Brand Digital Identification D1Tags. These tags are used to identify library items, such as books and videocassettes, for the library users. The DLA:

1. Reads 3M Brand Digital Identification D1 Tags placed in items that are arranged on a shelf or on a desk.
2. Processes identification codes that can, for example, be compared with customer-generated lists to determine shelf order, aid in reshelving items, and identify items the library is interested in locating.

The product has not been tested or proven safe for other uses.

Quick Start Guide

This Quick Start Guide will help you get to know your Digital Library Assistant as quickly as possible. The Quick Start contains:

- General warnings, cautions, and safety information
- Information to help you get started
- A list of related documents

Please review this document before you begin.

Digital Library Assistant Operations

The 3M Model 701 Digital Library Assistant (DLA) is designed to process library items with 3M Brand Digital Identification D1 Tags. The DLA allows you to perform the following tasks:

The primary functions of the DLA system include:

Check Shelf Order (shelf reading). This function identifies out-of-order items, giving the user a graphical representation of where problems occur on the shelf. The function also helps the user reshelv out-of-order items.

Shelve Items. This function helps the user pinpoint the location for inserting an item to be shelved. Through the use of sounds, lights, and the display, the user is guided to the correct location for shelving an item.

Search for Items. The user may load any list (or even multiple lists) onto the DLA and then search for those items. This can be used to pull books for weeding, find books on hold, identify items in a lost file, etc. This function can be combined with the Check Shelf Order function, so that items can be pulled during routine shelf-reading.

Combining Features. The software can combine functions to match the work flow needs of each library.

Digital Library Assistant Battery Requirements

The 3M Model 701 Digital Library Assistant (DLA) is powered by a rechargeable, 7.2 Vdc lithium-ion battery (DLA battery). During normal operation, the battery is attached to the DLA power pack.

Digital Library Assistant Battery Charging System

The 3M Model 701 Digital Library Assistant includes a charging system that can recharge the DLA battery. The charging system includes the following components:

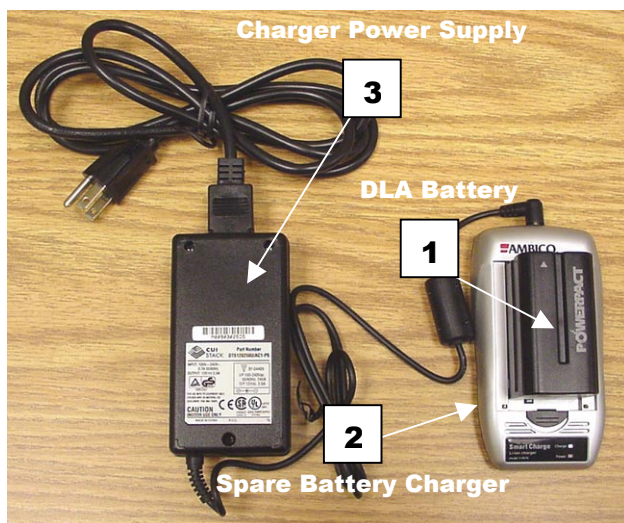
- **Charger power supply** – plugs into 100-240Vac, 50/60Hz. The output of the charger power supply can be connected to the spare battery charger or the plug-in charger.
- **Spare battery charger** – allows you to charge a DLA battery that is not connected to the DLA power pack.
- **Plug-in charger** - allows you to charge a DLA battery while it is connected to the DLA power pack.

Battery Charging Methods

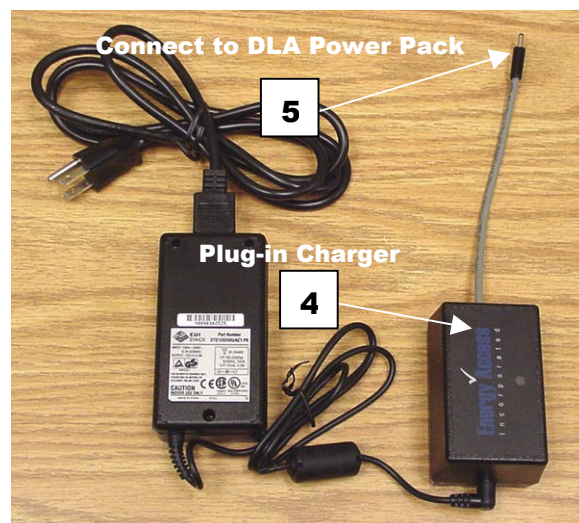
The charging system can recharge batteries using either of the following methods:

- **Spare Battery Charging** – a single DLA battery (1) is inserted into the spare battery charger (2) and the charger power supply (3) output is connected to the spare battery charger. The typical charge time is four hours.
- **Plug-in Charging** – this method charges a DLA battery while it is connected to the DLA power pack. The charger power supply output is connected to the plug-in charger (4). The output of the charging adapter (5) is then plugged into DLA power pack. The typical charge time is 2.5 hours.

Note: DLA operations are disabled when the plug-in charger is connected to the DLA power pack.



Spare Battery Charging



Plug-in Charging

Related Documents

Model 701 Digital Library Assistant Operator's Guide

Refer to the *Model 701 Digital Library Assistant Operator's Guide* for detailed instructions on how to set up and operate the Model 701 Digital Library Assistant. This manual is shipped with the Digital Library Assistant.

Model 702 Data Reference Guide

Refer to the *Model 702 Data Reference Guide* for detailed descriptions of the data formats required for the Digital Library Assistant. This manual explains how the customer must format data to create the various files that are used by the DLA hand-held unit. This manual is shipped with the Model 702 Data Manager.

Model 702 Data Manager Operator's Guide

Refer to the *Model 702 Data Manager Operator's Guide* for detailed instructions on how to manage the data files that are used by the DLA hand-held unit. It also explains how to export these files onto a memory card that can be read by the DLA hand-held unit. This manual is shipped with the Model 702 Data Manager.

Warning Statements and Safety Instructions

Explanation of Labels and Symbols



Refer to accompanying documents.



WARNING

- Danger of explosion if the lithium-ion battery is incorrectly replaced. Replace the battery only with the same or equivalent type recommended by the manufacturer. Dispose of used batteries according to the manufacturer's instructions.
- Dispose of this product and components according to the manufacturer's directions and local disposal regulations to avoid hazards and harm to the environment.

EMC Compliance USA and Canada

FCC Radio Frequency Rules and Regulations

This equipment has been tested and found to comply with the limits for a Class A device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can emit radiated radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

FCC Intentional Radiator Certification

FCC ID: Pending

This equipment contains an intentional radiator approved by the FCC under the FCC ID number shown above. This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

NO MODIFICATIONS. Modifications to this device shall not be made without the written consent of The 3M Company. Unauthorized modifications may void the authority granted under Federal Communications Commission Rules permitting the operation of this device.

Industry Canada Radio Frequency Rules and Regulations

This Class A digital apparatus meets all requirements of the Canadian Interference-Causing Equipment Regulations.

Cet appareil numérique de la classe A respecte toutes les exigences du Règlement sur le matériel brouilleur du Canada.

CANADA: Pending

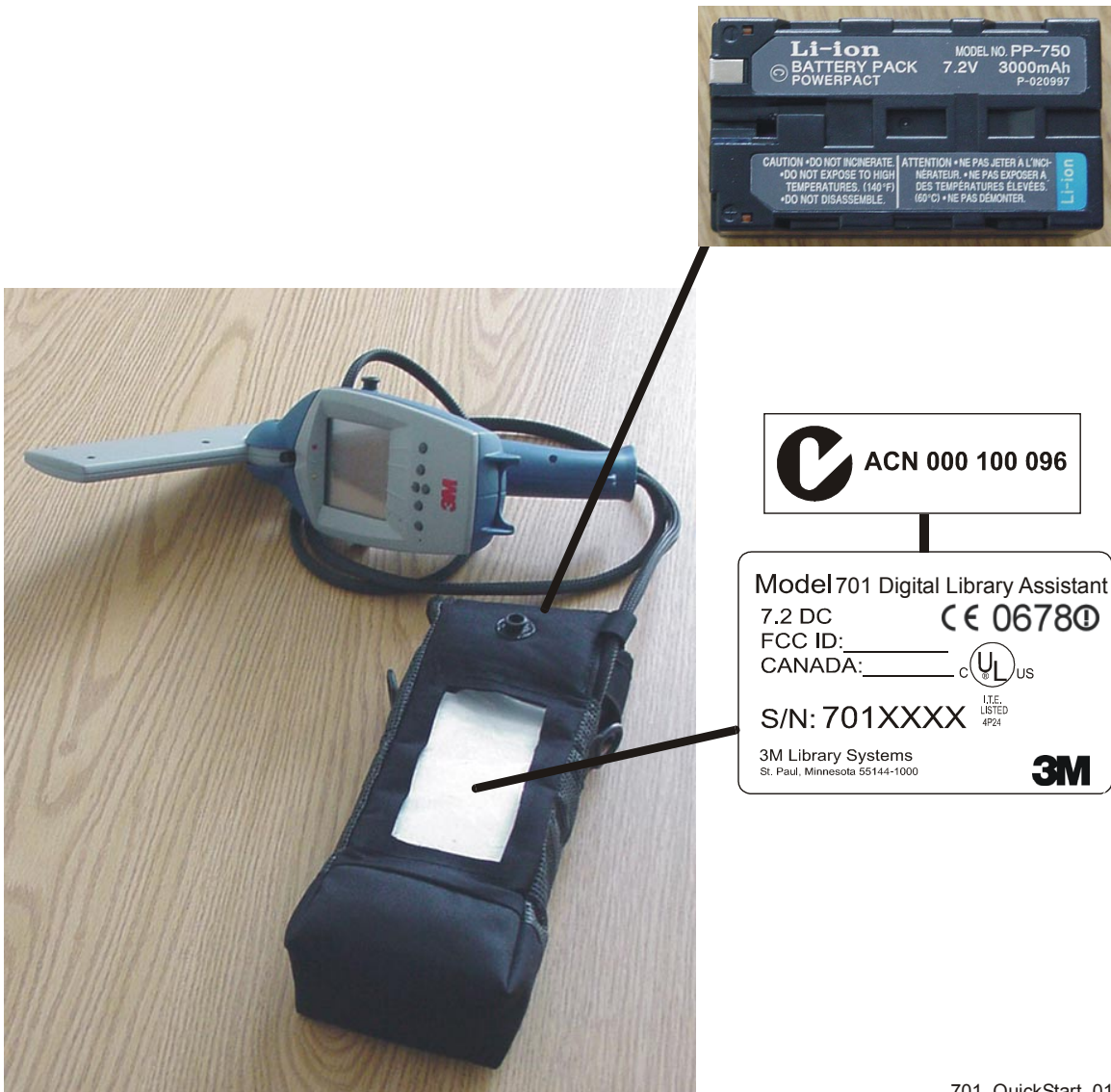
Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference received, including interference that may cause undesired operation of the device.

EMC Compliance Europe

This equipment complies with the requirements of the RTTE and EMC directives.



Safety Label Locations



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