Digital Library Assistant Model 701

Intended Use

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

1. Reads 3M Digital Identification 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 Digital Library Assistant Model 701 (DLA) is designed to process library items with 3M Digital Identification 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 reshelve 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.

Unpacking Instructions

Note: Save the hard plastic case and the shipping box.

Packing List

The DLA is shipped with the following parts:

Quantity	Description
1	System Packaging Case
1	DLA User Manual
1	DLA Software CD-ROM (located in User Manual binder)
2	CF Card, 32MB
1	Ball Driver hex tool for Antenna tightening
2	DLA Clip (Spare)
2	Tether Loop w/Hook & Loop (Spare)
1	Palm Stylus 3-pack,metal shaft w/hard plastic tip & top1
1	Palm Stylus (inserted in reader pouch)
2	Post-It Notes,1.5 in. x 2 in.,Yellow
2	Batteries
1	Battery Charger External (Ambico)
1	Ambico Power Supply W/Cord
1	Fast Charger (Energy Access)
1	Energy Access Power Supply W/Cord
1	Waist belt assembly
2	Tether Loop w/Hook & Loop
1	Shoulder Strap Assembly with (2) tether loops and (1) DLA clip
1	Bag With Draw String

Initial Battery Charging

After you unpack the DLA, you must charge both of the batteries. You must follow the recommended sequence for initial battery charging. Initial battery charging involves first charging each battery using the plug-in charger and then transferring the battery to the stand-alone charger. (Refer to the DLA User Guide for detailed instructions.)

Digital Library Assistant Battery Requirements

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

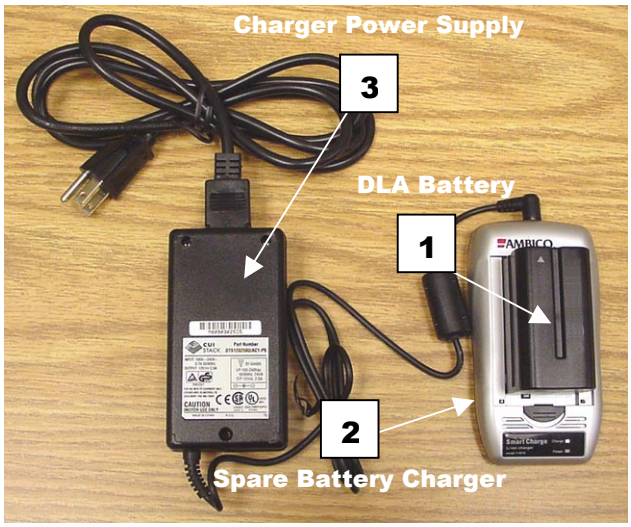
- **Charger power supply** – plugs into 100-240 Vac, 50/60Hz. The output of the charger power supply can be connected to the spare battery charger or the plug-in charger.
- **Spare battery charger** – allows you to charge a DLA battery that is not connected to the DLA power pack.
- **Plug-in charger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

Battery Charging Methods

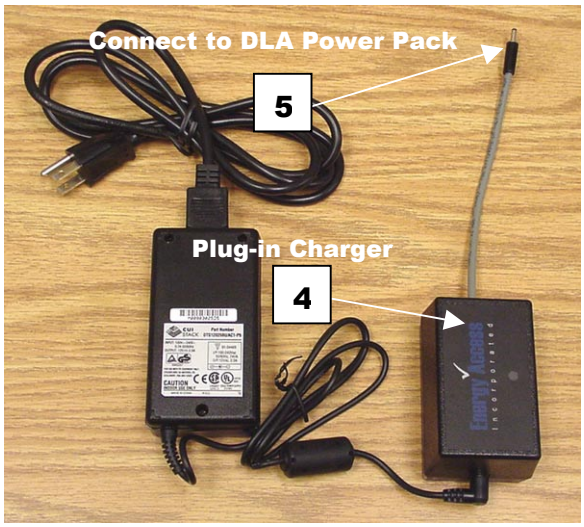
The charging system can recharge batteries using either of the following methods:

- **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

3M™ Digital Library Assistant - Model 701 User Guide

Refer to the *Digital Library Assistant User Guide* for detailed instructions on how to set up and operate the Digital Library Assistant. This manual is shipped with the Digital Library Assistant.

3M™ Digital Data Manager - Model 747 Data Format Guide

Refer to the *Digital Data Manager Data Format 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 Digital Data Manager software.

3M™ Digital Data Manager - Model 747 User Guide

Refer to the *Digital Data Manager User 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 Digital Data Manager software.

Warning Statements and Safety Instructions

Explanation of Labels and Symbols

Refer to accompanying documents.

⚠ WARNING

- Replace battery with Sony part number: NP-F750 only. Use of another battery may present a risk of fire, explosion, chemical burn hazard.
- The battery used in this device may present a fire or chemical burn hazard if mistreated. Do not short circuit the terminals, crush, disassemble, heat above 100°C (212°F), or incinerate.
- Dispose of unusable batteries in accordance with applicable federal, state, and local regulations. Dispose of used battery promptly. Keep away from children.
- Use of another battery charger may present a risk of fire, explosion, or chemical burn hazard.
- Dispose of this product and components according to the manufacturer's directions and federal, state, and local disposal regulations to avoid hazards and harm to the environment.

Power Reset Procedure

If the DLA display shows corrupted data, you may have to perform a power reset.

Symptoms of corrupted data:

- Lines appear on the DLA display.
- The screen appears distorted.
- Corrupted video on display.
- A blinking black square appears in the upper left-hand corner of the DLA display.

Power reset procedure:

1. Remove the battery from the reader for a period of five minutes.
2. Insert the battery into the reader's battery holder.
3. Reinitialize the DLA screen.

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: DGFDLA701

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 numerique de la classe A respecte toutes les exigences du Reglement sur le materiel 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.

CE 0678!

Safety Label Locations

701_QuickStart_01