Communication Ports

The M7100 handheld terminal has 2 different styles of communications ports, RS-232 (RJ-45) and USB (Type II). The M7100 Cradle also has 2 communications ports, RS-232 (DB-9) and USB (Type II). The M7100 Communications Cradle uses a standard RS-232 (DB-9 Male – DB-9 Female) cable with a length of 3 Meters or less.

Both communication connectors on the back of the M7100 cradle are wired "straight through". This means that the communications settings on the M7100 handheld terminal will determine the settings on the communication cradle. The M7100 Cradle has no internal or external settings that can be changed.

The slower RS-232 communication port is primarily used for uploading and downloading of data files to the M7100 Batch handheld terminal. File transfers for the M7100 RF handheld terminal can be done using FTP. For more information on FTP see the "FTP" section of this manual.

The full speed USB data port is used to load a new or updated operating system into the M7100 handheld terminal only. Use the AML USB Flash utility software to load the operating system.

DB-9 Pin out (RS-232)

1 – DCD (Data Carrier Detect)   **6 – DSR** (Data Set Ready)

2 – RXD (Receive Data)   **7 – RTS** (Request To Send)

3 – TXD (Transmit Data)   **8 –CTS** (Clear To Send)

4 – DTR (Data Terminal Ready)   **9 – NC** (No Connection)

5 - GND (Signal Ground)

Regulatory Information

All American Microsystems, Ltd. devices are designed to be compliant with rules and regulations in locations they are sold and will be labeled as required. Any changes or modifications to American Microsystems, Ltd. equipment, not expressly approved by American Microsystems, Ltd., could void the user's authority to operate the equipment.

Power Supply
Use only an American Microsystems, Ltd. approved Power Supply, output rated 5 VDC and minimum 2A. The Power Supply is certified to EN60950.

Disclaimer
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FCC Declaration of Conformity
Product Name: M7100 Terminal Charger
Model Number: ACC-7025

Radio Frequency Interference Requirements
This equipment complies with Part 15 of the FCC rules. Operation is subject to the following two conditions: (1) This equipment may not cause harmful interference, and (2) this equipment must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class B digital 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 residential environment. This equipment generates uses and can radiate radio frequency energy, and if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If you determine the equipment does cause harmful interference to radio or television reception (this may be determined by monitoring the interference while turning the equipment off and on), you are encouraged to try to correct the interference by one of the following measures:

·   Reorient or relocate the receiving antenna.
·   Increase the separation between the equipment and receiver.
·   Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
·   Consult the dealer or an experienced radio or TV technician for help.

Radio Frequency Interference Requirements - Canada

This Class B digital apparatus complies with Canadian ICES-003.
Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

Marking and European Economic Area (EEA)

Products intended for sale within the European Union are marked with the CE mark which indicates compliance to applicable Directives and European Normes (EN), as follows. Amendments to these Directives or EN's are included.

·   Electromagnetic Compatibility Directive 89/336/EEC
·   Low Voltage Directive 73/23/EEC

Normalización y Certificación Electronica (NYCE)

Safety   NOM / NYCE-NOM-019-SCFI-1998
                  Safety of data processing equipment.

AML ACC-7025

M7100 Terminal Charger

User's Guide

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Website: www.amltd.com

Introduction

The ACC-7025 Terminal Charger charges the M7100 hand-held terminal and one spare battery.

About This Guide

This guide provides instruction on setting up and using the ACC-7025 M7100 Terminal Charger. For instructions on battery charging, see the M7100 User's Guide.

Set Up

Setting up the cradle includes unpacking, connecting the power cable, and mounting the cradle on a table top.

Unpacking the Cradle

The shipping box includes the following:

- · One ACC-7025 M7100 Terminal Charger
- · One PWR-7100 Power Supply (120VAC) or PWR-7150 (220VAC)
- · One Line Cord with PWR-7150
- · This User's Guide.

If any parts are missing or damaged, contact your authorized Customer Support Representative immediately. Save the shipping box for storing or shipping.

Connecting the Power

The PWR-7100 power supply is included with the ACC-7025 M7100 Terminal Charger for 120VAC. The PWR-7150 power supply is included with the ACC-7025 M7100 Terminal Charger for 220VAC along with a country specific line cord.

Use only an American Microsystems, Ltd. approved power supply; output rated 5 VDC and a minimum of 2 Amps. The power supply connects to the ACC-7025 by a 2.1mm x 5.5mm barrel connector, center positive.

To connect power to the cradle:

1. Plug-in the Power Supply to a standard AC electrical outlet.

2. Connect the Power Supply Plug to the barrel power jack on the cradle.

3. The cradle LED's will turn green to indicate that power is available.

4. The LED's remain green until a terminal or battery is inserted into the slots.

Charging

Turn the M7100 terminal off and insert it into a cradle slot. It begins to charge as soon as it is inserted. To properly charge the battery, be sure the terminal is off.

Indicator Lights

LED Color	Description
Off	No power supplied to cradle
Green	If no terminal is present in the cradle, green indicates that there is power available. If terminal is present in cradle, green indicates that the terminal is fully charged.
Red	Terminal or battery is present in the cradle and the battery is being charged.

Troubleshooting

Symptom	Cause	Suggested Action
LED does not light when the cradle is powered on.	Cradle is not receiving power.	Make sure the power supply is securely connected and receiving power.
LED stays green when the terminal is inserted.	Terminal is not seated firmly in the cradle, or the battery is not properly installed in the terminal. Battery is charged.	Make sure the battery is properly installed in the terminal, and reseat the terminal in the cradle. Normal status.
LED stays red for more than 6 hours.	Battery faulty and can not be charged.	Replace battery with an AML approved battery.

The M7100 Cradle

The M7100 Handheld Terminal has available, an optional charging and communications cradle. The cradle automatically charges the M7100 battery while it is resting in the cradle. The cradle also includes an extra slot to charge a spare battery. The M7100 cradle can accommodate the M7100 with or without the optional M7100 handle.

The M7100 Cradle has three indicator lights:

POWER - Indicates that the M7100 Cradle is plugged in.

MAIN - Indicates the M7100 main battery is charging.

SPARE - Indicates the spare battery is charging.

When the battery charging LED is red, the battery is charging. When the battery charge LED is green the battery is fully charged. A fully discharged battery takes about 4 hours to completely recharge.

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