DASSAULT AT

AUTOMATISMES & TELECOMMUNICATIONS

ARTEMA

Portable & Mobile

Installation guide

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1 ARTEMA PRESENTATION

Paper casing

Handset

Paper output

Pin pad cache

Printer

Magnetic stripe card reader

Display

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Nov 26, 1999 08:49
Amount ? .... USD

Paper Menu Currency

On key

Battery pack

OK

1qz 2abc 3def

4ghi 5jkl 6mno

7prs 8tuv 9wxy

COR 0 00#

Pin pad

ANN VAL

Base

Smart card reader

Phone line

Power supply line

* depending on configuration
** ARTEMA portable only

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2 INSTALLATION AND CONNECTIONS

2.1 Warning

Artema is an electrical device. It must be used in normal conditions as described in this manual.

DASSAULT A.T. cannot be held responsible for :

- **Damages due to using or servicing Artema other than in the conditions described in this guide.**
- **Damages or Failures due to external causes**.

2.2 Lithium batteries

In addition to the battery pack of the handset, Artema uses Lithium batteries in order to backup internal data. The Lithium batteries in normal usage conditions have 6 years life expectancy. These batteries should only be replaced by an approved servicing center.

**CAUTION
Danger of explosion if battery is incorrectly replaced
Replace only with the same or equivalent type
recommended by the manufacturer.
Dispose of used batteries according
to the manufacturer's instructions.**

2.3 Environment

In order to use Artema in optimal conditions
- Place the base on a clear, flat, leveled surface, close to the mains.
- A phone plug is required for Artema portable.
- Place the terminal away from excessive heat sources, vibrations, dust, water and strong radio sources.

Environmental conditions

	Minimum	Maximum
Operating temperature	+5 °C	+40°C
Storage temperature	-25 °C	+55 °C
Relative humidity	50%	90%

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2.4   Battery pack installation

- It is important to **switch off** the terminal before changing the battery pack.
- Position the battery pack in the back of the handset.
- Press on the upper part of the battery until a "click" noise is heard.
- The terminal is ready for the charging cycle (see installation and connection).
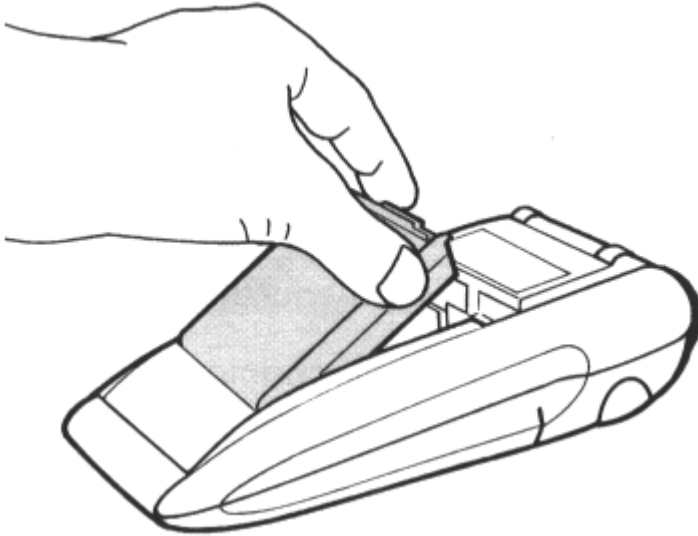
2.5   Optional battery pack installation in base unit (portable version only)

If you have a second battery pack you can charge it in the base unit ref.P4432-150
(radio base for "portable" version).
- Extract the cache, and replace it by the battery pack.
- Press on the battery until you hear a "click".
- The battery will start the charging cycle.

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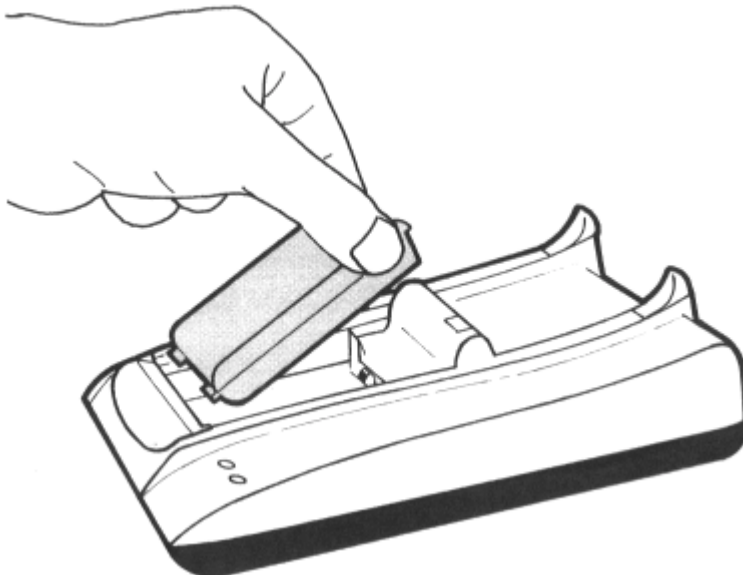
2.6 Installing the paper roll

To obtain the highest printing quality, and to ensure maximum printer life span, only use recommended paper rolls 2 $1/4$ x $7/8$ x 80 Ft.

- Open the printer casing by pressing simultaneously on both sides, and by pulling upwards.

- Place the roll of paper in the casing, paper output towards the pin pad. Leave a few inches of paper outside.
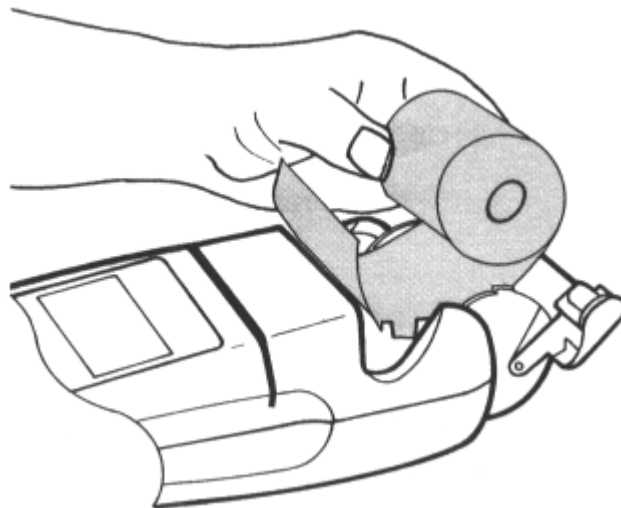
- Close the printer casing. You will hear a "click" sound to confirm the casing is closed.

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- **The printer will work only if the casing is closed and battery is charged.**
- Switch on the terminal, by pressing the "power on" key, and draw an inch of paper to check the roll is correctly placed in its casing.
- Cut the exceeding paper.

2.7   Connecting to the mains supply

- Connect the power supply line to the mains supply (115V), and check that the green indicator on the base in on.

The mains outlet needs to be close to the terminal, within reach, in order to quickly disconnect the terminal if necessary.

2.8   Connecting to the phone networks (portable version only)

- Connect to T1 the phone line at the rear of the base unit

Base unit connections :

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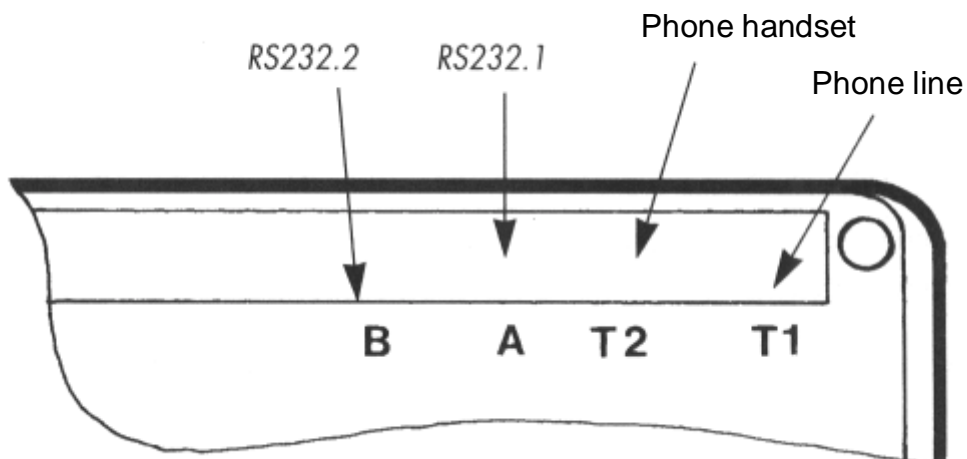
2.9   Radio link setup (portable version only)

- The radio link setup is set by a subscription procedure between the handheld unit and the base (see radio linking document).
- This procedure is required for the handset to work with the base.

2.10 Connecting peripherals (portable version only)

Connectors RS232.1 and RS 232.2 allow you to connect :
- Cash registering machine
- Other RS232 peripherals such as external Pin pads, Check readers

2.11 Charging ARTEMA

Before using Artema for the first time, leave the handset to charge for 8 hours in order to fully charge the battery pack. This should allow you to use Artema in good conditions.

- After a charging cycle, an icon indicates the battery charge level
- In order for you to keep getting a large number of transactions without base
- **We recommend you to change battery packs every two years.**
- **Only use original battery packs**

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3   TROUBLE SHOOTING & SPARE SPARTS

Technical maintenance operations should only be done by approved servicing centers

… however some problems can easily be solved :

Artema stops during display or printing :

- Recharge the battery by placing the handset on the base for several hours
- Check the battery is correctly set in the handset
- Check the printer casing is correctly closed

The handset is not communicating with the base (portable version only) :

- Check the base is on (green indicator on)
- If the green indicator is off, check the power line is correctly plugged.
- Check the radio link between the base and the handset.

Phone calls to processing centers fail (portable version only) :

- Check that the phone line is correctly connected
- Check that your phone installation works
- Check that the telecommunication parameters match your phone installation.

Paper jams :

- Check that the paper roll is correctly placed.
- Check that the paper casing is correctly closed.

Spare parts

Contact DASSAULT A.T. of America at 888 / 710-0100.

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4   TECHNICAL SPECIFICATIONS

4.1   Handset specifications

Weight Size	680 g (23.9 OZ) 243 x 90 x 65 mm (8.57 x 3.2 x 2.3 inch)
Printer	Thermal printer
Display	Liquid Crystal Graphical, Backlit 40 x 132
Pin pad	11 alpha numeric keys, 3 navigation keys, 3 dedicated keys: CLR, CAN, ENT
Card readers	Magnetic stripe card reader ISO2 and ISO3 or ISO2 and ISO1 Optional smart card reader 8 or 16 contacts ISO 7816 smart card readers : 2 or 4 optional SAM modules
Central Processing Unit	32 bits RISC processor, 256 KB RAM 1 MB Flash memory
Power supply	Removable battery pack Charging time: 2 hours for 60% of capacity 8 hours for a full charge
Autonomy	Over 80 transactions

4.2   Base unit specifications (portable version only)

Size Weight	235 x 138 x 74 mm (9.25 x 5.4 x 2.9 inch) 815 g (28.7 OZ),
Power supply	115 V AC mains cord
Phone connection	2 phone line interfaces
Peripheral connections	2 RS232 interfaces
Optional 2nd battery pack charger	YES

4.3   Power supply base specifications

Size Weight	235 x 138 x 74 mm (9.25 x 5.4 x 2.9 inch) 680 g (23.9 OZ)
Power supply	115 V AC mains cord
Phone connection	none
Peripheral connections	none
Optional 2nd battery pack charger	none

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COMPLIANCE INFORMATION

GENERAL

NOTE: 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 in a residential installation. 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 this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more 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/TV technician for help.

ACCESSORY

This equipment has been tested and found to comply with the US and Canadian (Bi-National) Standard for Safety of Information Technology Equipment, Including Electrical Business Equipment, CSA C22.2, No. 950-95 * UL 1950, Third Edition, including revisions through revision date June 22, 1998, which are based on the Fourth Amendment to IEC 950, Second Edition.
Listed Hand held units are intended to be supplied and used with listed base units.

Changes or modifications not expressly approved by the manufacturer could void the user's authority to operate the equipment.

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COMPLIANCE INFORMATION

PORTABLE version

This equipment complies with part 68 of the FCC rules.
On the base unit is a label that contains, among other information, the FCC registration number and Ringer Equivalence Number (REN) for this equipment. If requested, this information must be provided to the telephone company.

The REN is used to determine the quantity of devices not ringing in response to an incoming call. In most, but not all areas, the sum of the REN's should not exceed five (5.0). To be certain of devices that may be connected to the line, as determined by the total REN's, contact the telephone company to determine the maximum REN for the calling area.

If the terminal equipment ARTEMA PORTABLE causes harm to the telephone network, the telephone company will notify you in advance that temporary discontinuance of service may be required. But if advance notice isn't practical, the telephone company will notify the customer as soon as possible. Also, you will be advised of your right to file a complaint with FCC if you believe it is necessary.

The telephone company may make changes in its facilities, equipment, operations, or procedures that could affect the operation of the equipment. If this happens, the telephone company will provide advance notice in order for you make the necessary modifications in order to maintain uninterrupted service.

If trouble is experienced with this equipment ARTEMA PORTABLE, please contact the following for repair and/or warranty information.

DASSAULT A.T. of America, Inc.
53 Perimeter Center East. Suite 175
ATLANTA, GA. 30346
Tel : 770-393-2311

If the trouble is causing harm to the telephone network, the telephone company may request that you remove the equipment from the network until the problem is resolved.

DASSAULT A.T. of America must make any necessary repairs to modem portion of this equipment in order to maintain valid FCC registration. Do not attempt to repair or service your modem, return it to DASSAULT A.T. of America.

This equipment cannot be used on public coin service provided by the telephone company.

Connection to Party Line Service is subject to state tariffs.

COMPLIANCE INFORMATION

MOBILE version

This equipment complies with part 22 of the FCC rules. On the hand held unit is a label that contains, among other information, the FCC authorization number (FCC ID) for this equipment.

FCC RF EXPOSURE INFORMATION

Please read this information before use

In August 1996 the Federal Communications Commission (FCC) of the United States with its action in Report and Order FCC 96-326 adopted an updated safety standard for human exposure to radio frequency (RF) electromagnetic energy emitted by FCC regulated transmitters. Those guidelines are consistent with the safety standard previously set by both U.S. and international standards bodies. The design of this equipment complies with the FCC guidelines and these international standards.

Use only the supplied or an approved antenna. Unauthorized antennas, modifications, or attachments could impair call quality, damage the equipment, or result in violation of FCC regulations.

To comply with FCC RF exposure requirements this device must be operated with a minimum separation distance of 0.5cm from the user/nearby persons.

For more information about RF exposure, please visit the FCC website at www.fcc.gov

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Notes

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