

MIST Freedom II-C (CDPD)

User Manual



Mobile Information Solution Technologies

Copyright © 1999 MIST Inc. All Rights Reserved.

MIST Part Number: DOC9-5.5

Manual Revision: 1.1

Date of the document: November 1999

FCC compliance statement (USA)

This device complies with the requirements in Part 15 of the FCC Rules for a Class B digital device. Operation is subject to the following two conditions:

- This device may not cause harmful interference, and
- This device must accept any interference received, including interference that may cause undesired operation

WARNING:

Changes or modification to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

Note: *This equipment has been tested and found to comply with the limits of 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.

WARNING:

To comply with FCC RF exposure requirements, this unit must be operated with a minimum separation distance of 33mm(1-3/8 inches) between its antenna and a person's body. The user's hand should not be placed directly next to the antenna or at locations on the unit where the antenna is connected, to ensure compliance with FCC RF exposure limits.

Industry Canada Certification

This device complies with Industry Canada RSS119.

IC Class B compliance

This device complies with the Class B limits for radio noise emissions as set out in the interference-causing equipment standard entitled "Digital Apparatus", ICES-003 of Industry Canada

Important safety information

Remember to follow any special regulations governing the use of the MIST FREEDOM II-C and always switch it off in areas where radio devices are forbidden, or when it may cause interference or danger. Any safety laws and regulations pertaining to the use of cell phones and two-way radios will likely apply to your use of the POS. We encourage you to follow such laws and regulations at all times. In particular, please observe all restrictions on the use of radio equipment in fuel depots (fuel storage and distribution areas), chemical plants, where blasting operations are in progress or in any other area in which restrictions on radio transmissions are imposed.

The MIST FREEDOM II-C is not an FAA-approved electronic device for use on aircraft. Switch off the POS when in an aircraft. The effect of the use of the POS in an aircraft is unknown. Such use may affect aircraft instrumentation, communication and performance, may disrupt the network, and may be illegal.

Operation of any radio transmitting equipment, including the POS, may interfere with the functionality of inadequately protected medical devices, including pacemakers. Consult a physician or the manufacturer of the medical device if you have any questions.

Additionally, the effect of the radio signals from the POS on other electronic systems, including those in your car (such as electronic fuel-injection systems, electronic anti-skid braking systems, and electronic cruise-control systems) is unknown and malfunction of these systems may result.

Avoid using the POS in any environment requiring your full attention, such as when driving a vehicle.

Do not use any accessory that is not manufactured or supplied by MIST or an authorized MIST accessories supplier. Use of any

accessory that is not supplied or approved for use by MIST is not permitted. Use only those battery types specified in this User's Guide. The use of any other may disable the POS and may be dangerous.

Failure to observe all these instructions will void the Limited Warranty, and may lead to suspension or denial of services to the offender, or legal action, or both.

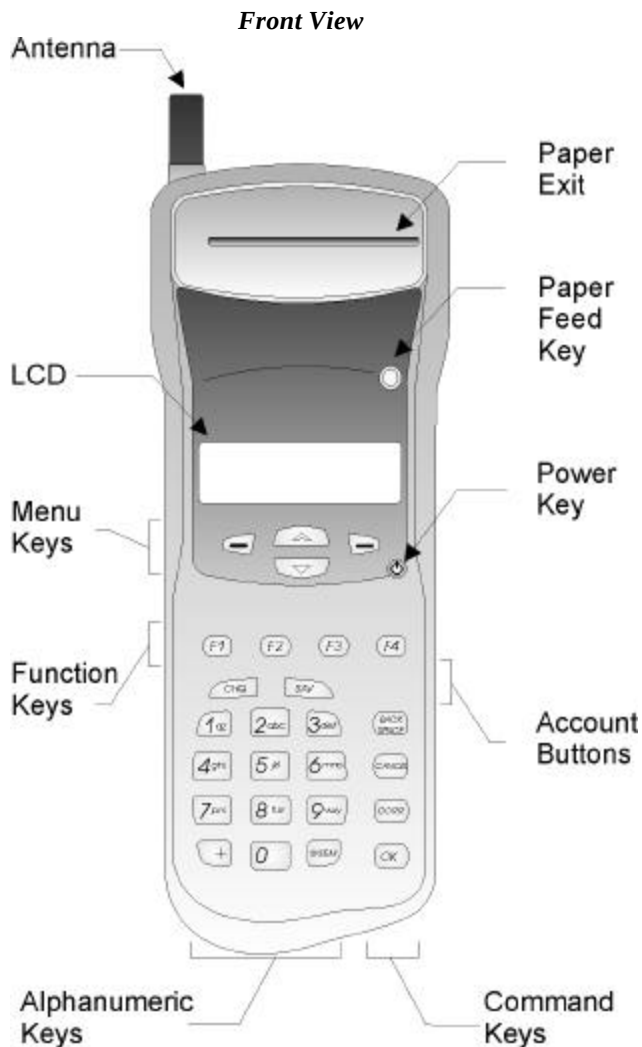
Table of Contents

Introduction	8
At a Glance	9
Know your POS Device	11
Unpack your POS device package	12
Maintenance and Safety Information	13
Power Information	15
Connecting to the Serial Port	18
Operating the Integrated Printer	19
Accessories	21

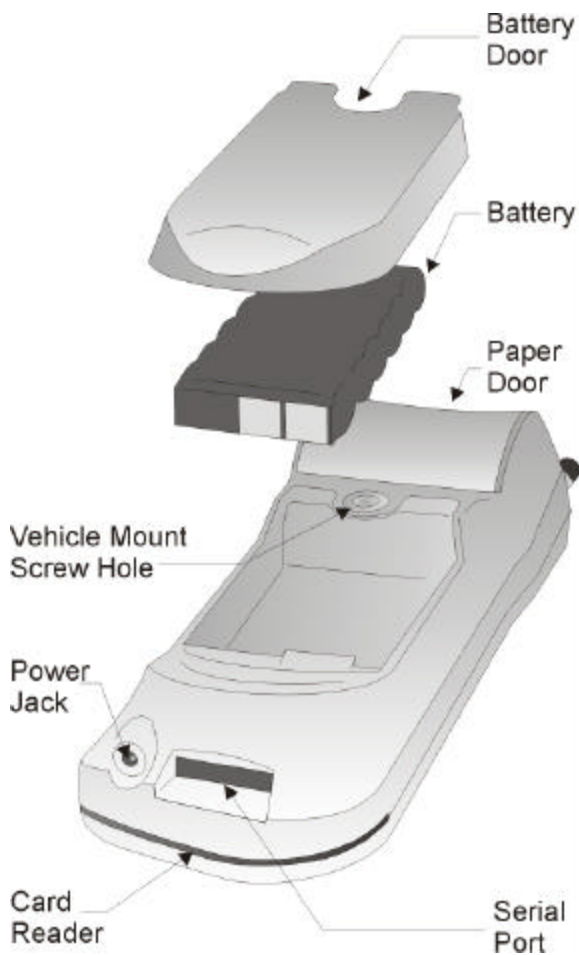
Introduction

Thank you for purchasing MIST FREEDOM II-C. We are confident that the MIST FREEDOM II-C you purchased will meet your exacting world-class quality standards. MIST FREEDOM II-C is a small, hand-held, wireless electronic transaction terminal that communicates with a remote host computer via the wireless network. MIST FREEDOM II allows several modem options for communicating to different network systems, such as CDPD, Mobitex, and DataTAC modem.

MIST's goal is to design and build POS (Point of Sales) devices with complete customer satisfaction in mind. To help ensure trouble free operation of your device, please spend a few minutes to read this manual carefully and follow its recommendations.



Bottom Back View



Know your POS Device

Antenna: Extend for best performance.

Paper Exit: Print Receipts.

Paper Feed Button: Load a new paper roll or eject paper roll from the printer.

LCD: Displays all the information and status of your device.

Power Key: Turns the device ON and OFF.

Menu Keys: Scroll through menu features.

Function Keys: Fast selection of features in your device.

Account Buttons: Choose the checking or saving account.

Command Keys: Enter command to your device.

Alphanumeric Keys: Enter number inputs.

Battery: Ni-Mh, 7.2V, 6AA, 1450mAh Battery Pack

Vehicle Mount Screw Hole: Installs the Freedom II on vehicle.

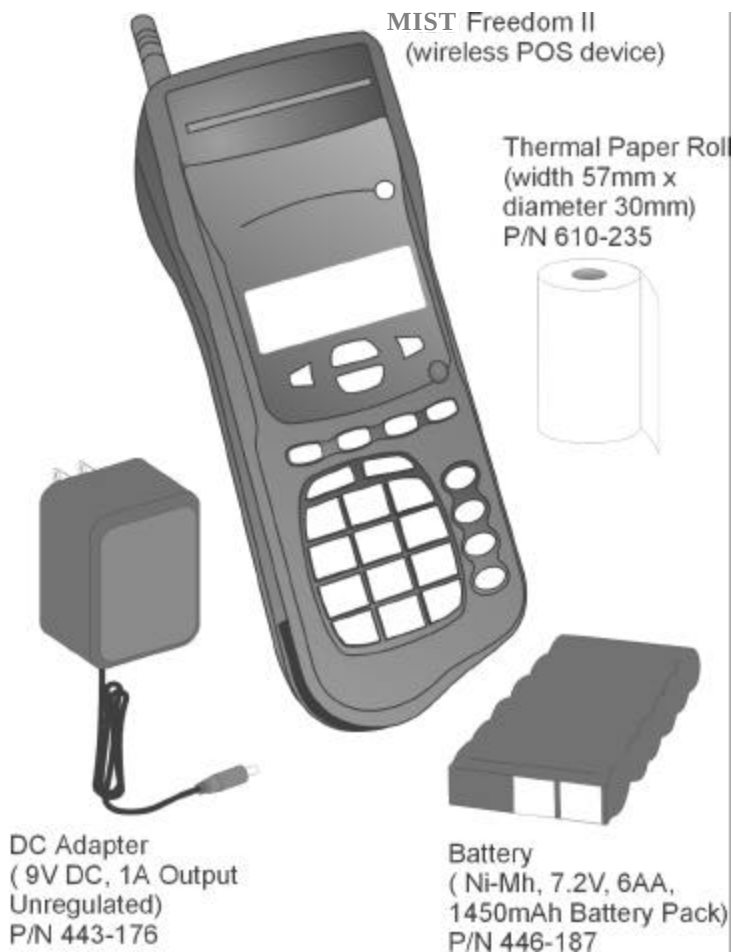
Power Jack: Provides the connection for a 9V DC, 1A Output Unregulated Adapter.

Card Reader: Reads magnetic tracks from a card.

Serial Port: Provides the connection for an external serial peripherals.

Unpack your POS device package

You should have the following items in your package:



If you want to purchase other accessories for your MIST FREEDOM II-C POS device, please visit our Web site www.mistwireless.com, or contact your local sales representative.

Maintenance and Safety Information

Please avoid exposure to following environment



* * * * *

excessive heat, or direct sunlight (your device may be permanently damaged by extended exposure to direct sunlight.)

excessive cold (please keep your device between 0°C and 40°C)



excessive electrical noise (such as mobile phone, motors and modem.

sensitive electronic
potentially explosive
(such as hospitals, health
aircraft, and gas stations)



equipment and
atmosphere
care facilities,

Maintenance and Safety Information

And please avoid the following actions.

* * * * *



Immersing the device in water.

Opening the device or replace any component.
(You will loose your software.)



Using the device with a damaged antenna.
(If your device has any problem, you must
contact your local sales representative or
technical support immediately.)

Keep all flames, sparks, and lit smoking
materials away from the battery.



Power Information

Battery

MIST FREEDOM II-C use NiMH 7.2V, 6AA Battery Pack.

(Please use only batteries provided by MIST.)

Battery Installation

1. Pull the battery door downward to open.
2. Insert the battery in the device. (Ensure the metal contacts touch)



3. Close the battery door.

Battery Maintenance

- New battery's full performance is achieved only after two or three complete charge and discharge cycles.
- Keep the devices and batteries clean and dry.
- Protect against a short circuit when the battery is not installed in the device.
- If the device will not be used for an extended time, take the battery out of the device.
- All rechargeable batteries have a limited life. If a fully charged battery no longer provides an acceptable performance, please replace with a new battery from MIST.

Power Information

DC Adapter

MIST FREEDOM II-C can also use 9V, 1A Output Unregulated DC Adapter.

*Please use only adapters provided by MIST. Use of other power sources may result in damage to your unit.

Using the DC Adapter and the Internal Charger

Using the DC Adapter, you can plug your POS device directly into a power supply and charge attached batteries. If you turn off the device, the internal charger will charge the batteries automatically. If you turn on the device, charging will take more time. Charging will stop during radio transmission and printing.

1. Plug the DC adapter into the power source.
2. Plug the DC adapter into the Power Jack on the bottom of the device.



Connection

Connecting to the Serial Port

Plug the Serial Cable into the Serial Port on the bottom of the device, and plug the other end of the Serial Cable into the peripheral in use.



* When unplugging the Serial Port from the device, please press the Release Tabs to release the hooks.

Operating the Integrated Printer

Integrated Thermal Printer

MIST FREEDOM II-C integrates a thermal printer for the user to print receipt.

1. Press Paper Feed Button (on the top of the Display) to make the printer sensor standby 60 sec for paper insert.
2. Open the Paper Door at the back of the device.



Operating the Integrated Printer

3. Insert the paper in the gap of the paper entrance.



4. The sensor will feed the paper in the printer automatically.

- Make sure that the paper is overt as shown above as the thermal paper will work only in one direction. (If you do not see any printing, the paper is in backwards, re-insert the other way around.)
- Do not try to pull paper through the printer manually.
- If you want to eject paper from the device, you must cut the paper from the paper roll, and press the paper feed key to eject the rest of paper in the device.

Accessories

MIST Inc. provides a useful accessory for your MIST FREEDOM II-C. They can help you to improve the efficiency of your work.

Vehicle Charger

MIST Freedom II can be charged in vehicle with a Vehicle Charger.



(may not be exactly as shown)