Atid
All that Identification

AT870 User Guide
(New upgrade one)

Disclaimer

ATID is a registered trademark of ATID CO.LTD.
AT870N is a registered trademark of ATID CO.LTD. and of its wholly owned subsidiaries.
Microsoft Windows®, Windows® 2000, Windows® CE .NET, Windows® NT, and Windows® XP are registered trademarks of Microsoft Corporation.

ATID CO.LTD.
#1211 Byuksan/Kyungin Digitalvalley 11, 184, Gasan digital 2-ro, Geumcheon-gu, Seoul, Korea
Tel: +82-2-544-1436
Fax: +82-2-2113-0040
www.atid1.com

Contents

Before Using the Manual for AT870N, ... 6
Chapter 1. Caution when using AT870N 7
1. How to use the battery correctly 7
2. Caution when using AT870N 7
Chapter 2. Product Composition 8
1. Product composition 8
2. Name of Each Part 8
3.Name and Function of Each Part 10
Chapter3. Basic Function 11
1. Power and Battery 11
Switch-On the Backup Battery 11
Attaching and Detaching the Main Battery 12
Charging the Battery 13
Power ON / OFF 13
Checking Battery Gauge 15
Back-up Battery 16
Changing the Battery 16
2. System Reset 16
2.1 SOFT RESET 16
2.2 HARD RESET 17
2.3 Initializing the System 17
3. Use of Micro SD, SIM, SAM CARD 18
3.1 Installing Micro SD CARD 18
3.2 Installing SIM CARD and SAM CARD 20
4. Individual Environment Setting 21
4.1 Phone Password Setting 21
4.2 User Information 21
4.3 LOCK 22
5. System Configuration 23
5.1 Memory 23
5.2 Task Manger 23
5.3 Program Removal 23
5.4 GPS 24
5.5 Brightness Setting 24

5.6 Brightness On/Off Setting 24
5.7 Screen Adjustment 25
5.8 Volume Settings 25
5.9 Sound & Notification Setting 26
5.10 Clock & Alarms Setting 26
5.11 Wireless Manager 27
6. Use of Keypad 27
6.1 Use of Keypad 27
6.2 Data Input 28
6.3 Device Configuration & Function Execution Using keypad 28
7. Use of Stylus 29
8. ActiveSync 29
8.1 Microsoft ActiveSync Installation 29
8.2 Connection settings for PC 31
8.3 Data Transfer 32
Chapter 4. Optional Module 34
1. Using 1D or 2D Barcode Scanner 35
1.1 Barcode Reading 35
1.2 Setting Barcode Emulator 37
1.3 Barcode Scanning 39
2. WiFi 40
2.1WiFi On /Off 40
2.2WiFi function On /Off 40
2.3Connecting to WiFi AP 41
3. Bluetooth 43
3.1Bluetooth On/Off 43
3.2 Bluetooth Paring 44
3.3 Bixolon SPP-R200 Printer Demo 46
4. Phone 47
4.1 Turn on the phone 47
4.2Making a phone call 47
4.3 Receiving calls 48
4.4Hanging up calls 48
4.5Switching calls 49
5. Contacts 49
5.1Contacts 49

5.2 Search for Contacts 50
5.3 Adding New Contacts 50
6. Text Message 51
6.4 Replying to the Text Message 51
7. GPS Module 52
7.1GPS Demo Program 52
8. Camera 52
8.1 Camera 53
9. HF13.56MHz 53
9.1RF13.56 Demo Program 53
10. Smart Card Device 55
10.1Smartcard Program 55
11. UHF 900Mhz 56
11.1 UHF 900Mhz Program 56
Chapter 5. Appendix 59
Product Specifications 59

Before Using the Manual for AT870N,

User guide inclusive of text, images, logos, product names is either the property of, or used with permission by ATID Co.,Ltd. The information may not be distributed, modified, displayed, reproduced (in whole or in part) without the prior written permission of ATID Co.,Ltd

There are some differences between user guide and actual function of device
User guide can be adjusted by ATID Co.,Ltd without consent of user discretionally.

User guide is written for users who want to use and maintain the AT870N. Please read and understand these instruction prior to operating this unit.

Safety information

Please read and follow all warnings and cautions for user`s safety in this document before you handle and operate ATID equipment.

- **WARNING!**
  A warning requires that you must strictly pay attention to operate procedure, practice, condition, and state, or might be injured seriously.

- **CAUTION**
  A caution explains the important point which has a huge possibility to break the device and make a malfunction

FCC Caution

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.

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.

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

Body Operation
This device was tested for typical body support operations. To comply with RF exposure requirements, a minimum separation distance of 1.0 cm must be maintained between the user's body and the device, including the antenna. Third-party belt-clips, holsters, and similar accessories used by this device should not contain any metallic components. Body accessories that do not meet these requirements may not comply with RF exposure requirements and should be avoided. Use only the supplied or an approved antenna.

Chapter 1. Caution when using AT870N

Please aware of the manual contents in advance before you handle and operate your AT870N and other ATID Products.

1. How to use the battery correctly

- In case that you dropped the main body or battery in water, please do not put into the stove or heater for drying. Just keep it in natural drying or contact purchase place
- Please note that the battery terminal doesn't have to be contacted to metallic object.
- If you do not use the battery for a long time, please keep it at room temperature after charging
- Operating time of battery can be shorter than usual in accordance with loss of battery and use time. In this case, please contact us.
- You have to use provided adaptor when charging the device.

2. Caution when using AT870N

- User careless or products repair would damage the stored data. Manufacturer is not responsible for this damage, so please do back-up the important data separately
- If you have a problem on product, do not try to repair or disassemble it by yourself, please contact our customer service center.
- Do not use your product at the specific places such as hospital, plane and so on where electromagnetic wave or the risk may occur
- Please note that using the device in environment of high temperature and humidity for long hours can make a malfunction of device.
- Please do not use other material instead of provided stylus pen, otherwise it might be damaged or not worked properly.
- Please be careful not to touch the saw tooth of metallic paper cutter at the entrance section of printer in order not to get injured
- In case of that noise, smoke and odor occur at the device while using product, please disconnect the charger with device and off the power immediately, then please contact our customer service center
- If you have any other questions on use of device, please contact our customer service center

Chapter 2. Product Composition

AT870N is based upon Microsoft window Mobile 6.5. As the state of the art product, it is equipped with barcode scanner, RFID Tag reader, MSR card reader, printer, smart card reader, MODEM, Camera and so on and it can be applied to Industry, Enterprise, Logistics and so on, can be used extensively in many fields due to this kind of various functions

1. Product composition

Open the packing box and confirm the items as below.

1. AT870N Body

2. Power Adaptor and AC cable

3. Standard Battery

4. Leather case (Optional)

5. USB sync cable

6. Protect film

7. Hand Strap

8.Stylus Pen

*Please contact our customer service in defect of product composition and need to be changed.

2. Name of Each Part

Camera flash(Optional)
1D/2DScanner(Optional))
Camera(Optional)
WLAN(Optional) LED
Scan Buttons
Internal HF(Optional)
Phone receiver
Hand strap hole
Charge LED
Speaker
Volume Buttons
UHF
Connecting port
Touch Screen
Main Battery
Left / Right Key
Keypad
Battery Latch
Reset Button
Microphone
Adapter Jack
Earphone Jack
Cradle Connector
Sync Cable Connector

3.Name and Function of Each Part

NAME	FUNCTION
1D/2DScanner(Optional))	Please be careful not to get the damage or the foreign substances at the Window emitted the laser bean ◆**Warning!** Do not look at the laser beam directly.
UHF Connecting port	It is connector to equip the UHF 900Mhz tag reader module
Internal HF(Optional)	It is location where HF13.56Mhz internal module is equipped
Reset Button	Please do soft reset by using this button which is located on the keypad. Please do hard reset in combination with Power button
Microphone	It is used for telephone conversation.
WLAN(Optional) LED	It displays whether the wireless WLAN power gets supply or not
Battery Latch	You can attach and detach by moving it from side to side
Main Battery	It attaches on body for receiving power
Volume Buttons	You can control the sound in combination with <Fun> button
Scan button (F7, F8)	You can scan the barcode or RFID tag by this buttons
Scan button (F9)	You can scan the barcode or RFID tag by this button
Speaker	It is equipped for playing sound and various sound effects internally
Sync Cable Connector	It makes device transmit and receive the data with computer in connection with USB sync cable.
Earphone Jack	It is used for connecting the earphone with device.
Left / Right Key	It makes possible to move from side to side. It makes possible to move from above to below in combination with <Fun> button
LED	It will be changed into the red color when charging / into the green color at full
Adapter Jack	Please do connect it with provided adapter when charging the device
Camera Flash(Optional)	It functions for camera
Camera(Optional)	It makes image capture and save
Cradle Connector	It is used as a port for charging the battery or connecting the body with computer
Keypad	Device can implement the program by inputting the key value at the keypad
Touch Screen	You can implement and terminate the program to touch the screen by using stylus pen
Hand strap hole	Please attach hand strap and stylus pen with device for your convenience when using it for a long time.

Chapter3. Basic Function

1. Power and Battery

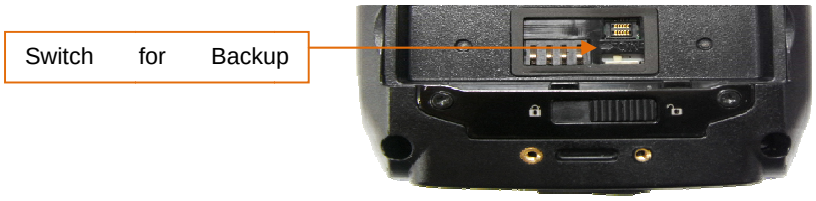
Battery for AT870N is composed of main battery and backup battery. A main battery supplies the power to the system and RAM which could keep the data. A backup battery could keep the data of RAM when the main battery discharged completely.

Main Battery: 3.7V 2,970mA Lithium - Ion
Backup Battery: 3.7V 80mA Lithium - polymer

- **NOTE:**
  Please switch on the back-up battery as below instruction in advance at the beginning then, attach the main battery to body and then, charge it in full before using the product

Switch-On the Backup Battery

The image as below shows the status of battery compartment on the rear of body
Please slide the switch of backup battery to right direction on the device.
If the switch turns on, the power of battery will supply to the system.



Please attach the main battery on the rear of body.

Please attach the main battery on the body by moving the latch lever in case of attaching the battery.
Please refer to section 1.2 of attaching and detaching the battery

Please connect the charger with charger jack and then do check if red light is lit on the LED.
Please charge it until the green light is lit on the LED

- **NOTE:**
  Please press the <POWER> button a couple of seconds for shortening the charging time, in case of that window screen has shown.