VS-2000 Reader User Manual

Document Version: 1.00

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1 Packing Lists, Accessories and CD-Rom Contents

1.1 Basic Packing List

- 1 x VS-2000 Reader
- 1 x CD-ROM
- 1 x USB cable
- 1 x rechargeable 7.2V battery pack

1.2 Accessories

AC/DC Universal Power adapter (Universal 100V/240V AC to 12 VDC, 1A)

1.3 CD-Rom Contents

- Software
- User Manual

Figure 1.1 VS-2000 Reader

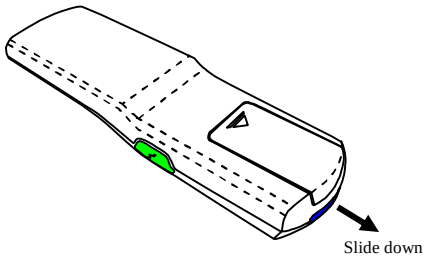
2 Details on Front Face and Menu Navigation

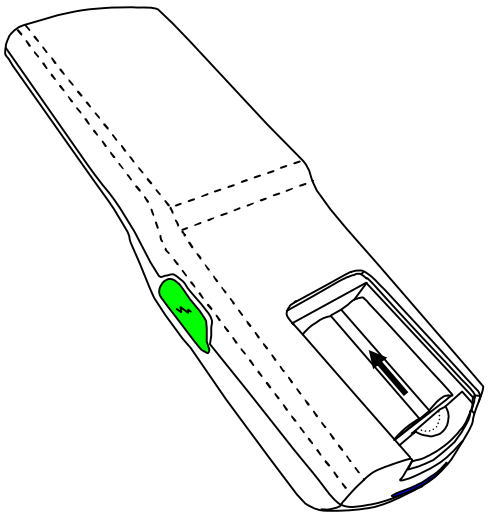
2.1 Front Face Information

Front Face Information	
Reference Figure	Figure 6.1
LCD	8 rows, 16 characters per row.
Power LED Indicator (Red color)	When lighted: • Normal State: On • When operating: On / Blinks
Activity LED Indicator (Blue color)	When lighted: • Normal State: Off • When operating: On / Blinks
Keypad Buttons	
√	Enter/Accept button: To exit demo mode, or execute a function.
	On button: To turn on the unit, press and release the OK button
	Off button: To turn off the unit, press and hold the OK button until the LCD and the LED go off.
X	Cancel Esc/Back button: To back-up to a parent menu or to clear memory and restart a scanning action.
▼	Next Item: To scroll forward the items in a menu or to scroll forward a list of categories.
▲	Previous Item: To scroll backward the items in a menu or to scroll backward a list of categories.
↯	Scan tags button: There are two such buttons on the side of the VS-2000. It is used to activate the RF power for scanning tags.

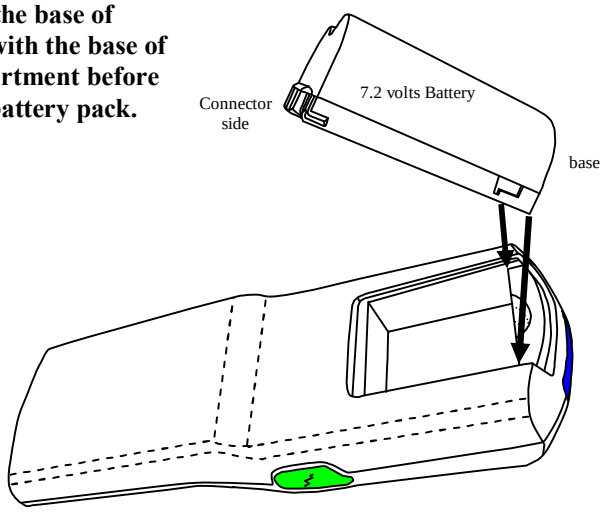
3 Getting Started – Install and charge the battery

Step 1: Remove Battery Cover





Step 2: Align the base of battery pack with the base of battery compartment before inserting the battery pack.



Step 3: Slide the battery pack up so that the connector clicks into place. Replace the Battery Cover.

Step 4: Use an AC/DC adaptor to supply 12 VDC to charge the battery for at least 3 hours. Red LED will blink when charging is in progress. Red LED will stop blinking when charging is complete.

3.1 Switch the reader on and off

To switch the reader on, press and hold the power key <√> until you see the red LED is on. If the LCD displays ñBattery Lowò, please charge the reader. To switch the reader off, press and hold the power key <√> for 2 seconds.

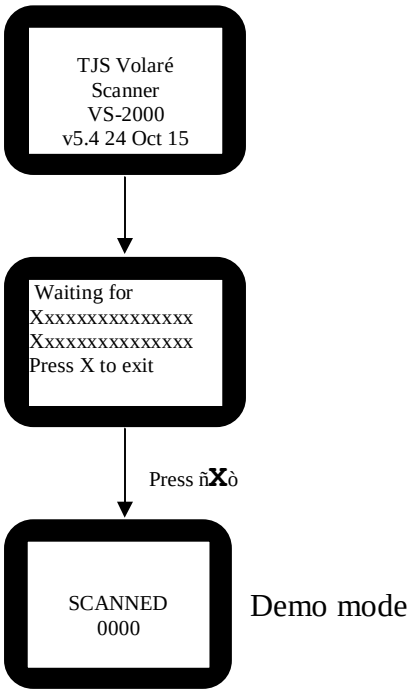
3.2 Standby Mode

A blank screen overwrites the display when no function of the reader has been used for a certain period of time, unless the reader is connected to USB/Bluetooth/WIFI or Charger. To deactivate the screen saver, press and hold the <√> button for one second.

4 Scan Functions

4.1 Scan Functions without USB/Bluetooth/WIFI Connection

4.1.1 Guide for UID Scanning



Demo mode

1.Press and hold down buttons to start scan tags

2.Direct reader to tag while holding down the buttons.

3. Release buttons to stop scan tags

4.2 Scan Functions with USB/Bluetooth/WIFI Connection

Note: Before use the Bluetooth/WIFI need to connect the reader to PC with USB cable, then configure the reader with ñHTerm.exeò in the CD.

4.2.1 USB connection stet up procedure

4.2.1.1 Power on the reader

4.2.1.2 Connect the reader to PC with USB cable

4.2.1.3 Install the reader driver with ñatm6124_cdc_signedò in the CD (only for the first time)

4.2.1.4 After the driver installed successfully, there will be a new comport in ñComputer->Manage->Device Manger->Port (COM&LPT)ò

4.2.2 Bluetooth connection stet up procedure

4.2.2.1 Power on the reader

4.2.2.2 Connect to PC with USB cable, runò*HTerm.exe*ò(only for the first time)

4.2.2.3 Follow documentòHF_HH-MR2_OnlineMode_manual_v2.4.pdf" to open comport and set PIN code with commandò0xE6òand set Wireless communication module to Bluetooth with commandò0x13ò(only for the first time).

4.2.2.4 Closeò*HTerm.exe*òand plug out USB cable (only for the first time)

4.2.2.5 Install a Bluetooth adapter or dongle to PC.

4.2.2.6 Click ñAdd a deviceòin ñControl Panel\Hardware and Sound\Devices and Printersòto add the readerôs Bluetooth (VS-2000) to PC (only for the first time)

4.2.2.7 Find out the comport name in ñComputer->Manage->Device Manger->Port (COM&LPT)ò(only for the first time)

4.2.2.8 Open comport inò*HTerm.exe*ò, then the Bluetooth will be connected to PC.

4.2.3 WIFI connection stet up procedure

4.2.3.1 Power on the reader

4.2.3.2 Connect to PC with USB cable, runò*HTerm.exe*ò(only for the first time)

4.2.3.3 Follow documentòHF_HH-MR2_OnlineMode_manual_v2.4.pdfòto open comport and set Wireless communication module to WIFI with commandò0x13ò (only for the first time)

4.2.3.4 Closeò*HTerm.exe*ò(only for the first time)

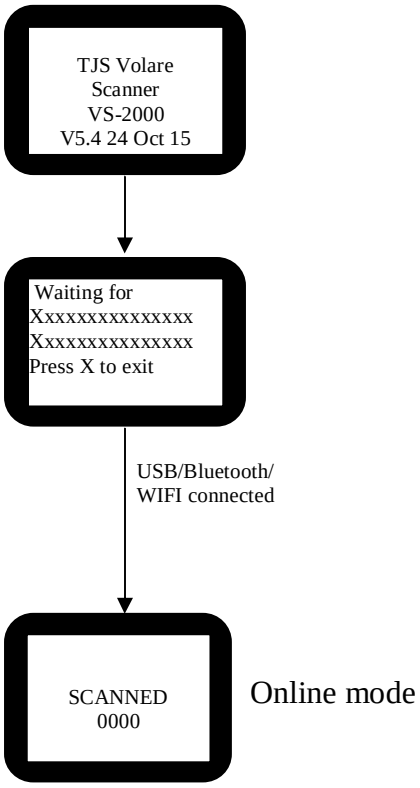
4.2.3.5 Plug out USB cable then plug in USB cable again to PC, runò*HTerm.exe*ò (only for the first time)

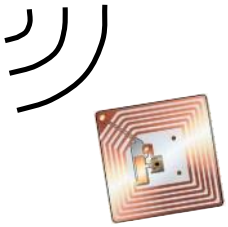
4.2.3.6 Set WIFI parameter with WIFI_Configure_Tool.exe (only for the first time)

4.2.3.7 Close comport (only for the first time). Plug out USB cable.

4.2.3.8 Use SocketTestTool to create TCP socket.

4.2.4 Scan for UID with USB/Bluetooth/WIFI





1.Press and hold down buttons to start scan tags

2.Direct reader to tag while holding down the buttons.

3. Release buttons to stop scan tags

5 Compliance Statement

Regulatory Notes

An RFID system comprises an RF transmission device, and is therefore subject to national and international regulations. Prior to the powering and operation of the VS-2000 reader, relevant compliance certificate should be obtained from the associated watchdog agency. Sale, lease or operation in some countries may be subject to prior approval by the respective government body or other international compliance organization.

For countries requiring FCC certification, a typical system configuration containing the VS-2000 reader has been tested and found to be compliant with the limits for a FCC Part 15C (intentional radiator) device. Nonetheless, it is still the responsibility of the customers to have their complete system tested and approved for use from the appropriate compliance agencies/authorities before operating or selling the system. As part of FCC part 15 compliance requirements, it should be noted that:

- Modifications not expressly approved by this company could void the userôs authority to operate the VS-2000 reader.
- The VS-2000 reader complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) The VS-2000 reader may not cause harmful interference, and (2) 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.