

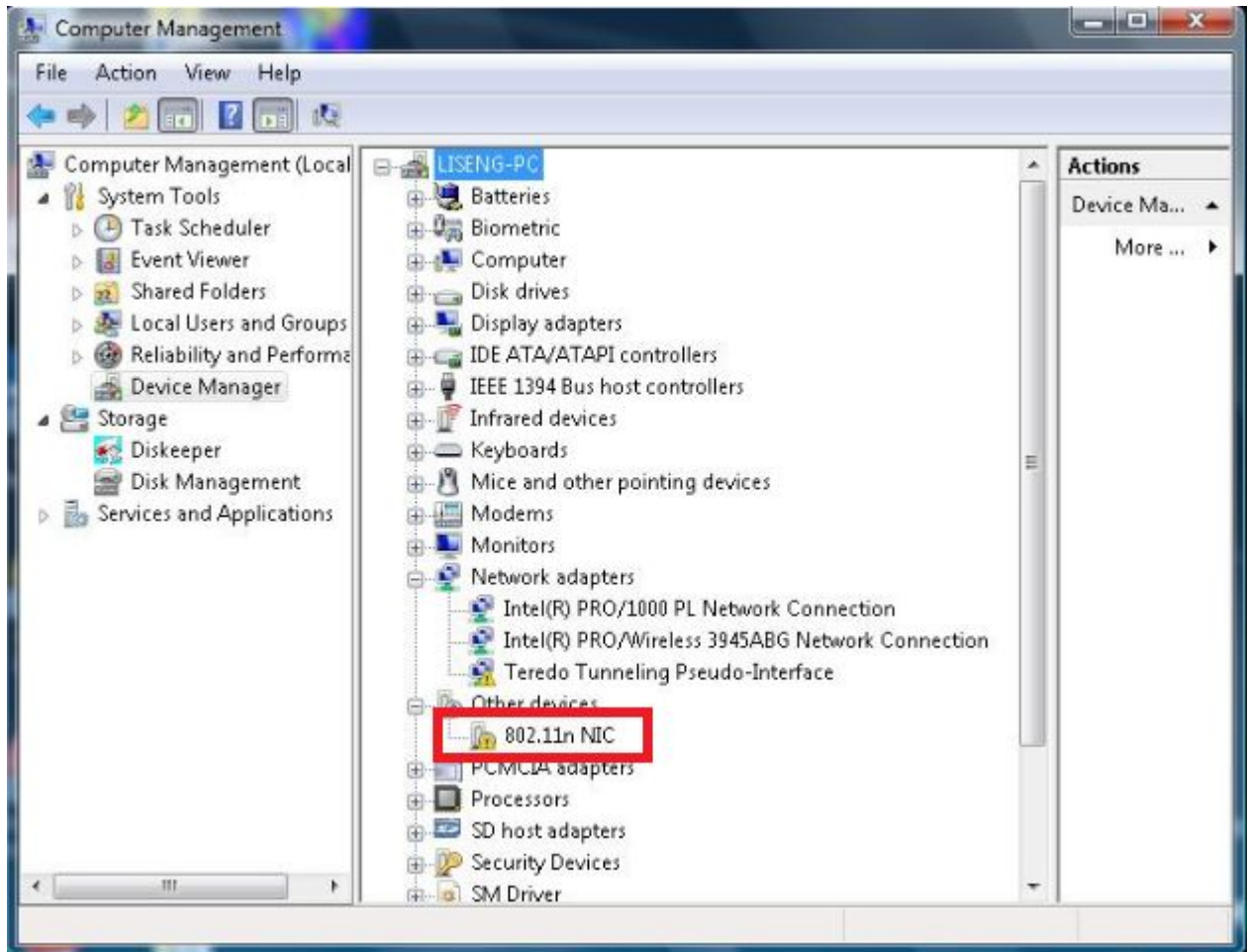
F89ETSM13 series user 's manual

Index

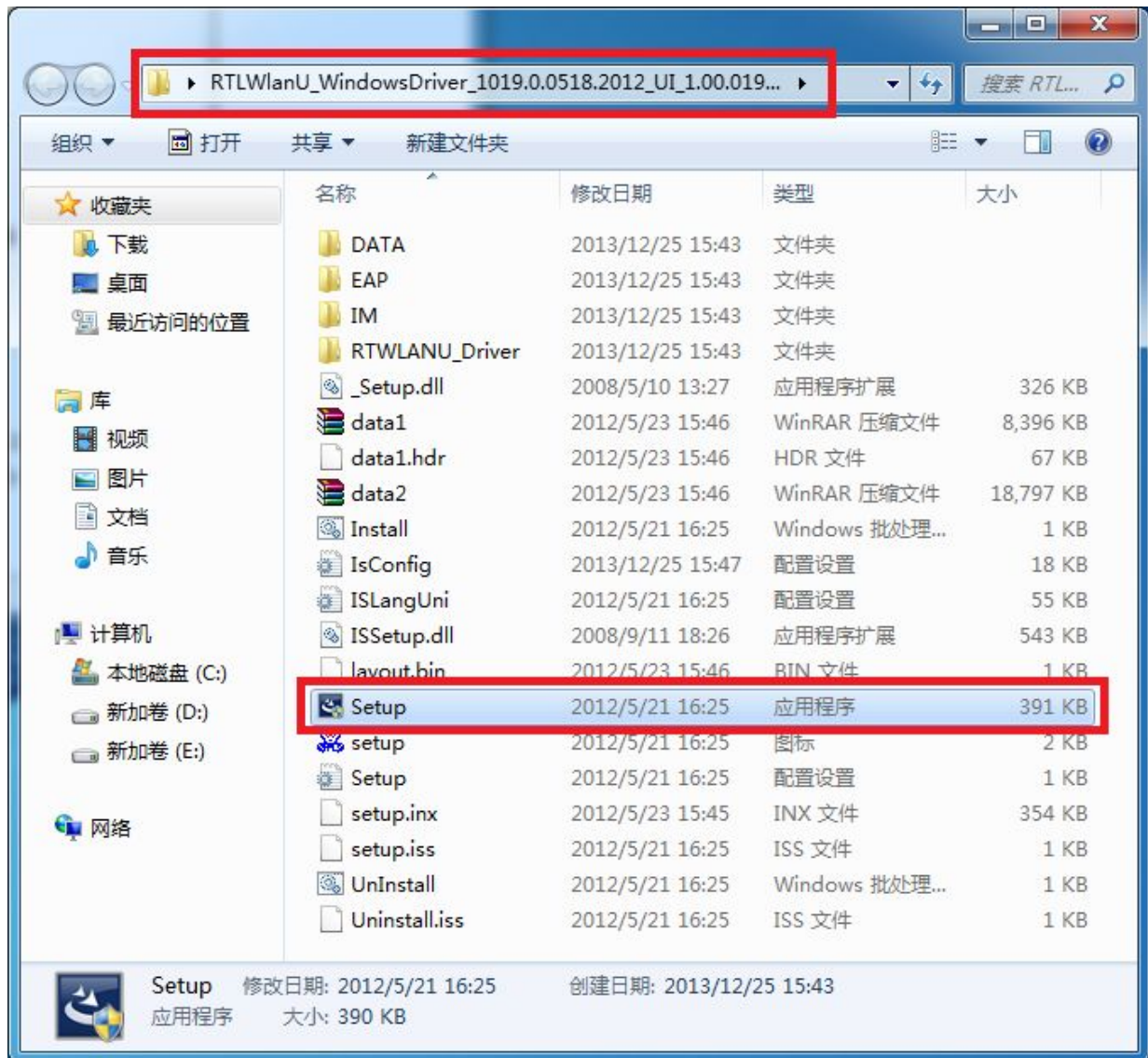
How to install the driver

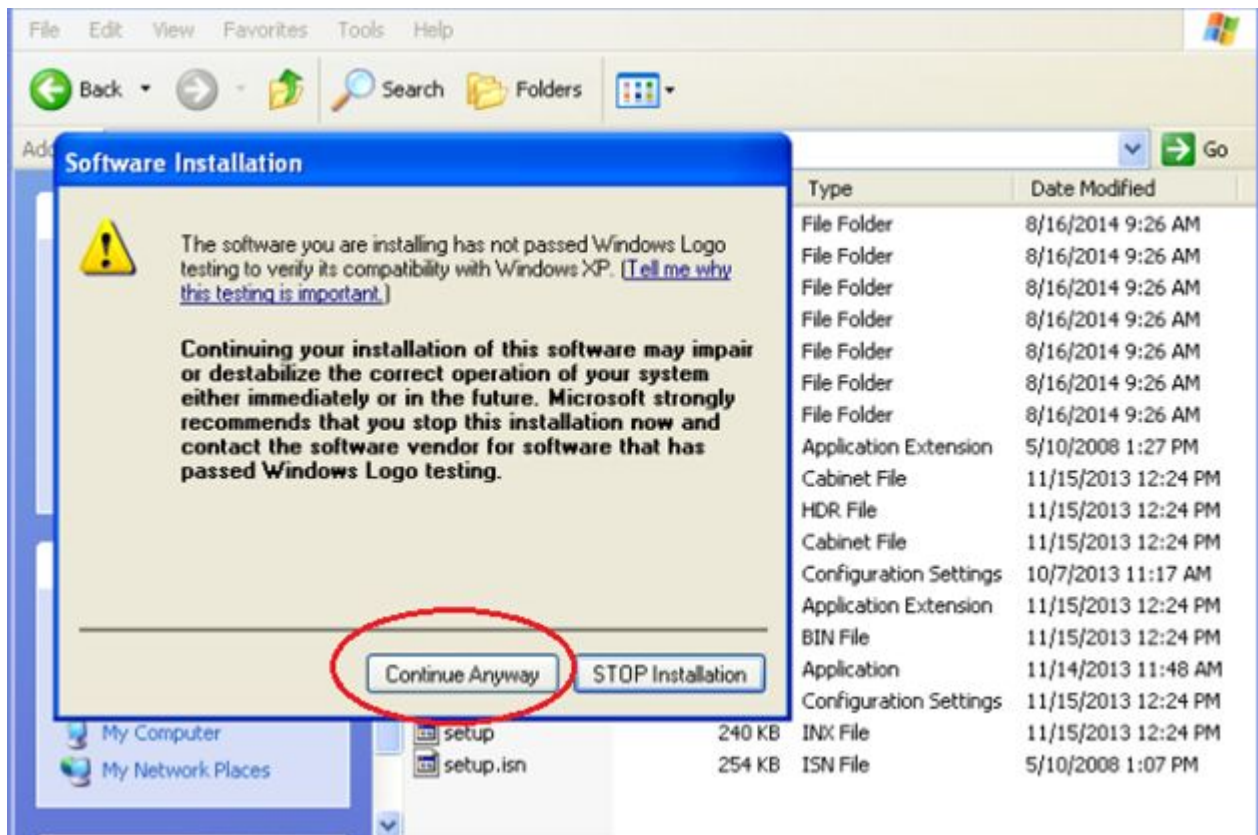
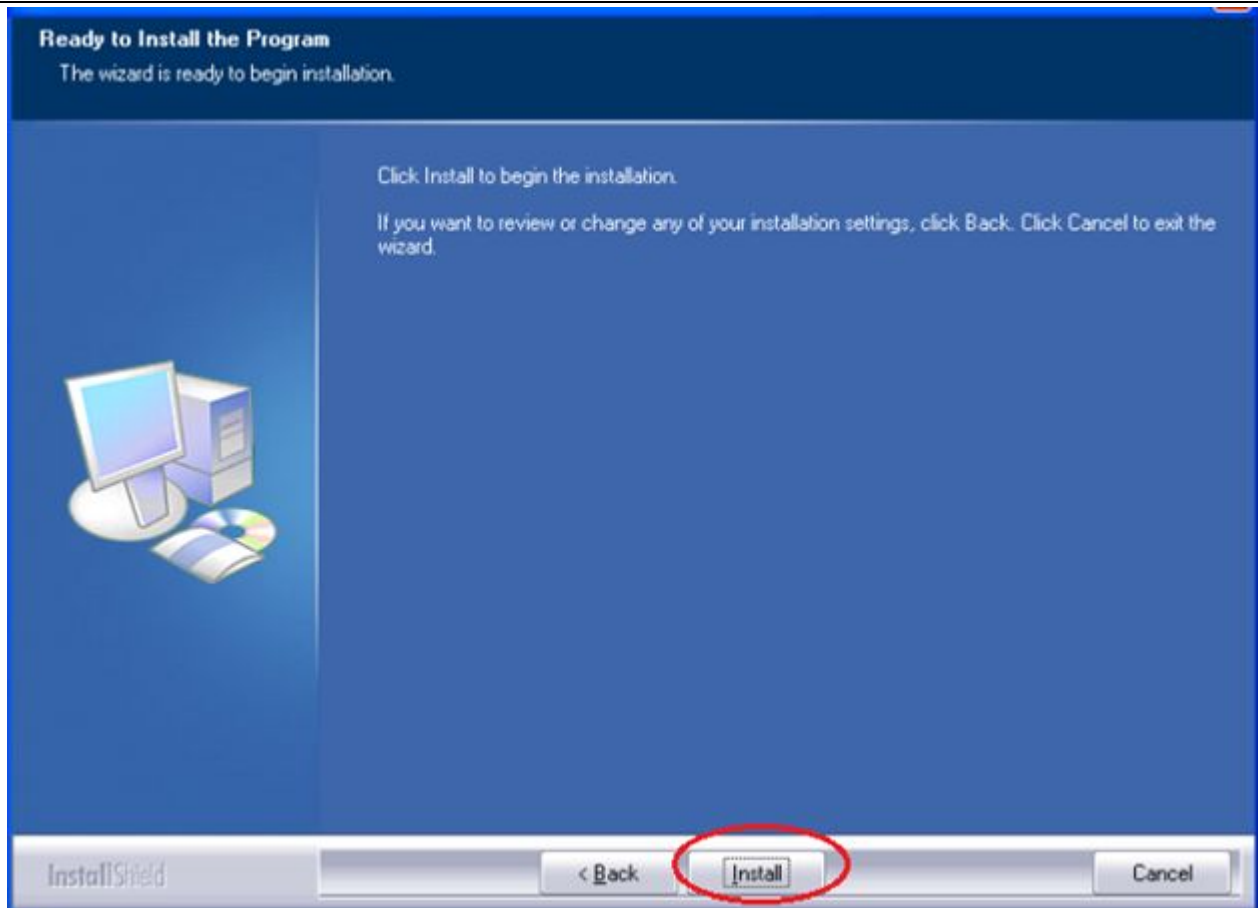
Put the product plug into the SDIO port of PC.....	3
Copy the driver into the PC.....	3
Install the driver & Install driver successfully.....	6
The test interface.....	7

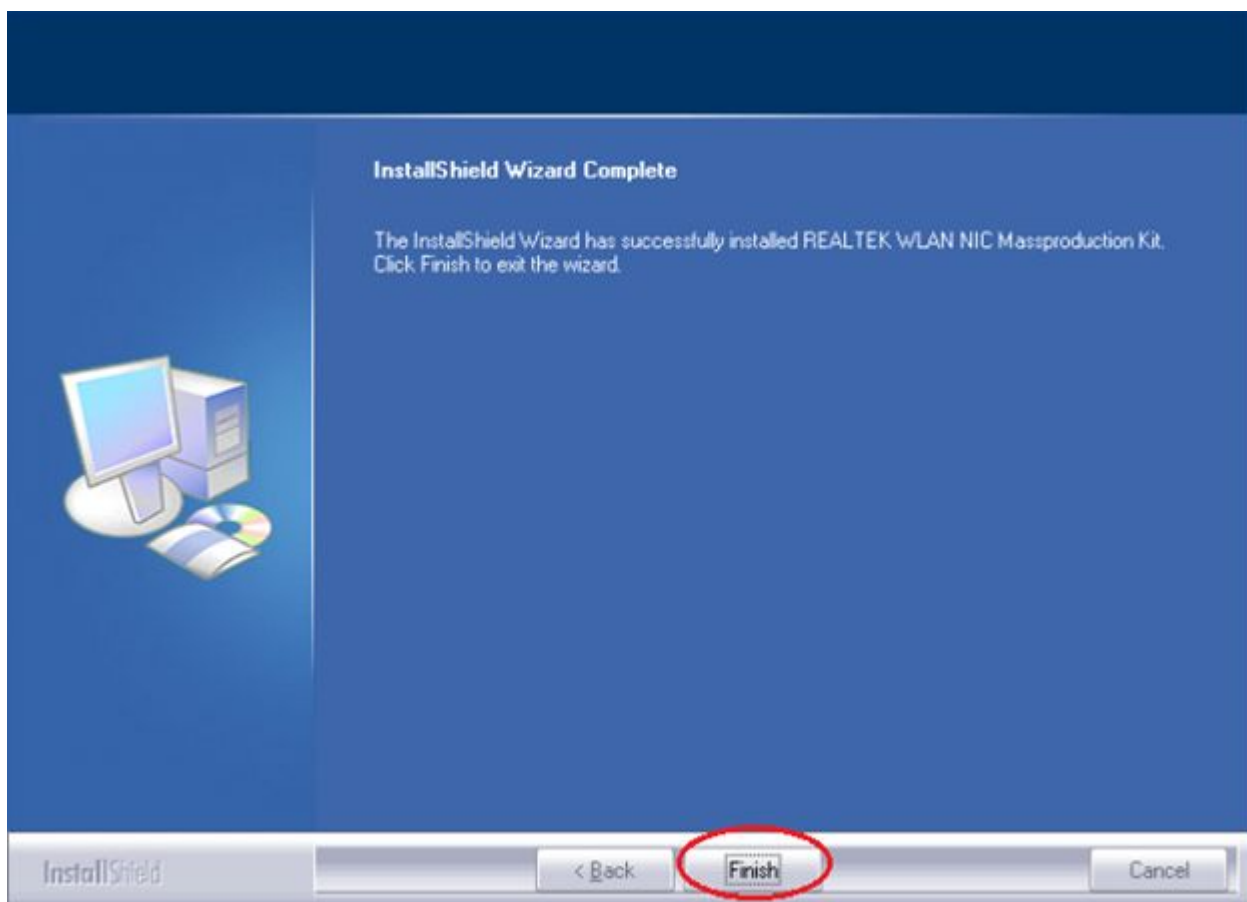
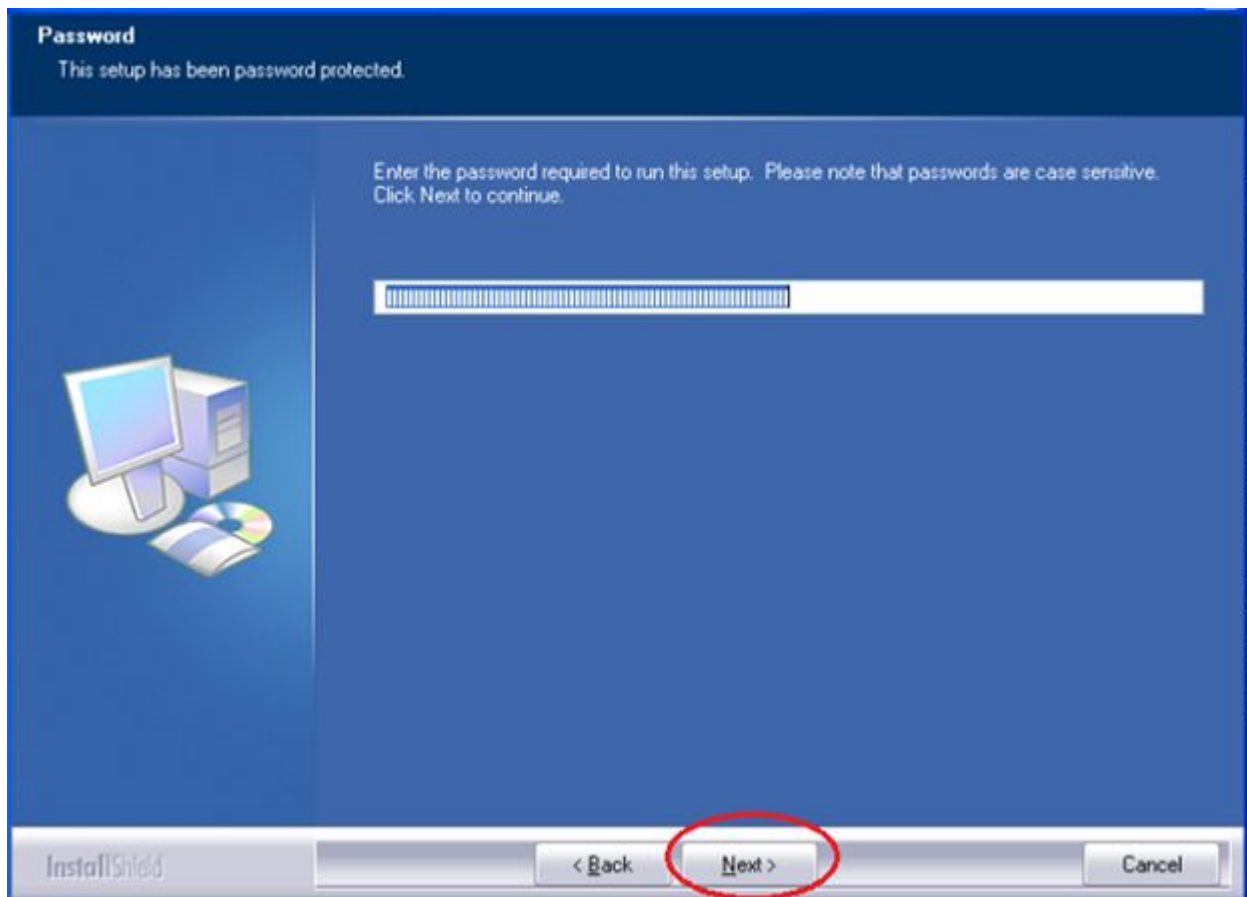
1. Put the product plug into the SDIO port, the "device manager" of PC is shown below:



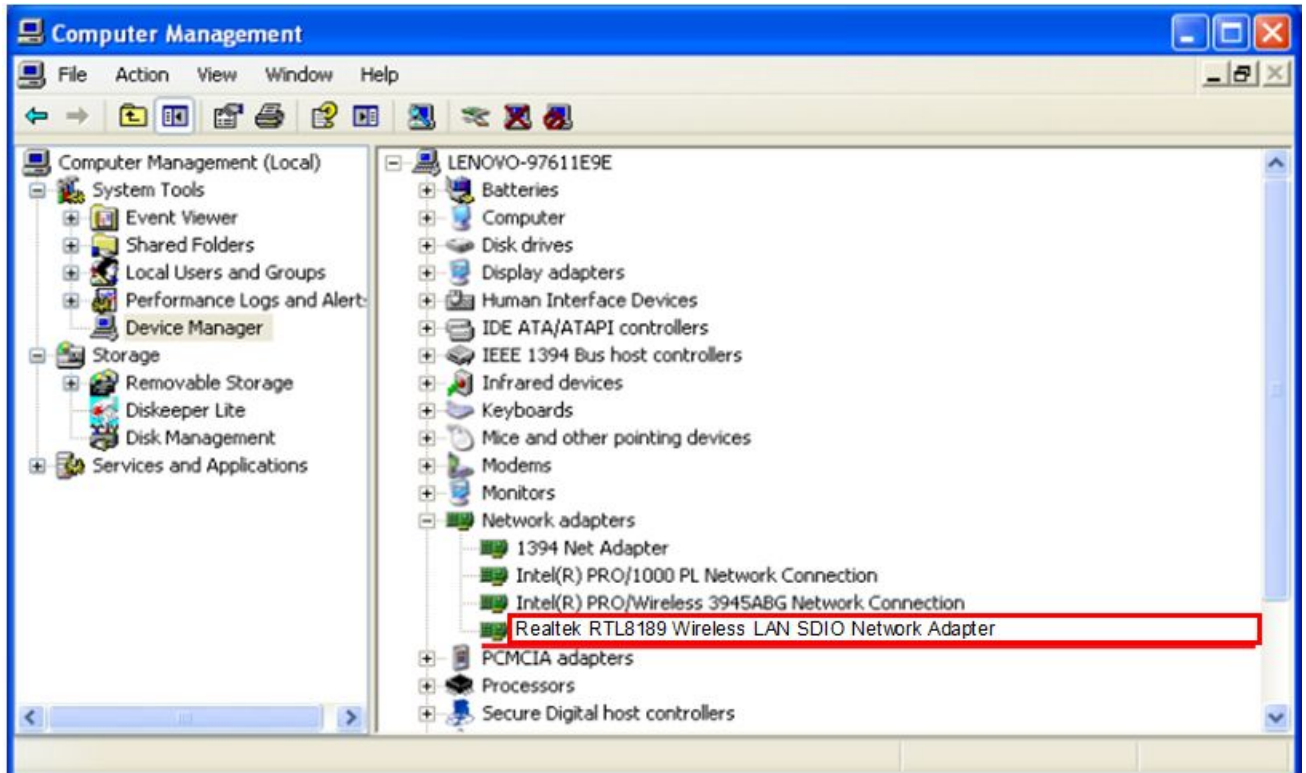
2. Copy the corresponding driver "RTLWlanU_WindowsDriver_1019.0.0518.2012_UI_1.00.0191_EU" into the PC, and install driver, the installation methods: open the file "RTLWlanU_WindowsDriver_1019.0.0518.2012_UI_1.00.0191_EU", double click "Setup" installation program, guide to install.



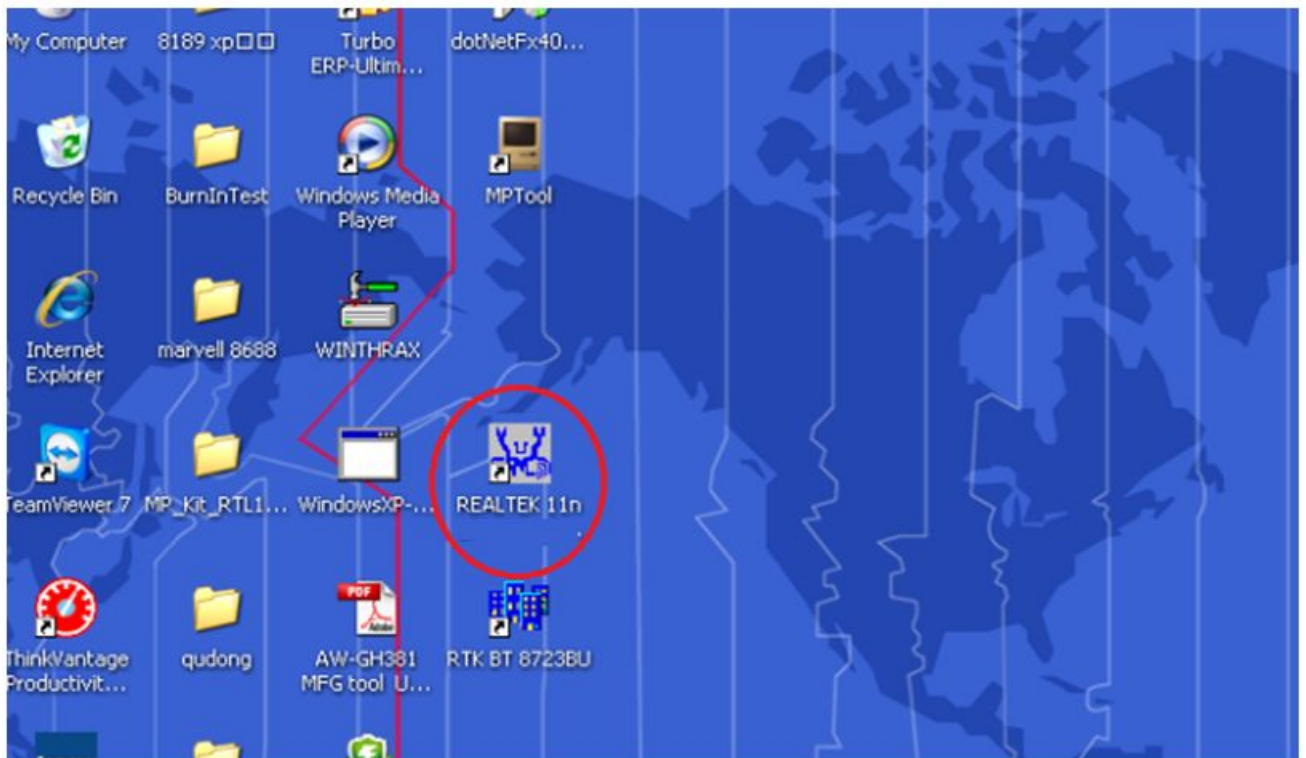




3. After install driver successfully. the "device manager" of PC is shown below:



4. After install driver successfully. double click the icon "  " in PC desktop, as shown below:



The screenshot displays the FN-LINK software interface, which is divided into several functional panels. At the top, there are buttons for 'Start Testing', 'MAP', 'E-FUSE', '1*1_PG', 'Quit', 'Reset', and 'Help'. The 'Testing Item' panel on the left includes dropdowns for 'Testing Item' (set to 'None'), 'Channel' (set to '1'), 'Data Rate' (set to 'MCS0'), 'Preamble' (set to 'Long GI'), 'Signal Location' (set to '20M'), 'Tx Path' (set to 'S1'), and 'Rx Path' (set to 'S1'). It also has a 'BT test' button. The 'Tx Packet Setting' panel shows 'Packet Pattern' (set to 'Random'), 'Packet Length' (set to '1000'), and 'Packet Counts'. The 'Mac Address' panel includes 'Self Get' and 'Tx Dest Set' buttons, with the address '00E04C920100' displayed. The 'CrystalCap setting OK' panel shows 'Tx Packets', 'Rx OK', 'Rx CRC32 Error', 'Rx P/M OK', and 'Rx P/M Err' status. The 'E-FUSE' panel has 'Write', 'Read', and 'Update' buttons, along with 'BYTE', 'BT', 'Offset', and 'Value' fields. The 'RF' panel includes 'RF' and 'RfPath_A' dropdowns, 'Offset' and 'Value' fields, and buttons for 'Reg Read', 'Reg Write', 'RF Read', 'RF Write', 'TxPwrTrack Start', and 'Thermal Val + Monitor'. The 'Crystal Clibration' panel shows 'Xin/Xout' (set to '0x24') and checkboxes for 'LDPC' and 'STBC'. The 'Power' panel includes 'Change settings', 'Power by rate file: Default', and 'Power limit file: Default' dropdowns. The 'Efuse Used' panel shows '130 Bytes'.

FCC Warning:

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

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.

FCC Radiation Exposure Statement:

This modular complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter. Due to missing shielding the module is strictly limited to integration by the Grantee himself or his dedicated OEM integrator under control of the Grantee. However, the OEM integrator is still responsible for testing their end-product for any additional compliance requirements required with this module installed.

This device is intended only for OEM integrators under the following conditions:

- 1) This module is granted as a Limited Modular Approval.
- 2) This device has been designed to operate with a integral antenna having a maximum gain of 0dBi. Only this type of antenna may be used.

This device has been evaluated and shown compliant with the FCC RF Exposure limits under fixed exposure conditions (antennas are greater than 20cm from a person's body) when installed in certain specific OEM configurations.

The host system shall have a label showing: Contains FCC ID: 2AATL-F89ETSM13

The wifi module is designed to comply with the FCC statement. FCC ID is 2AATL-F89ETSM13. The host system using wifi module F89ETSM13-W2, should have label indicated FCC ID 2AATL-F89ETSM13.

Note: The wifi module has no shielding and tested stand alone.

This module is tested and approved as Limited modular approval with stand alone configuration, any OEM incorporated this radio module into any system may require additional testing and evaluation.

This module is not sales with antenna, it requires the OEM to complete the antenna. And the kind of antenna that users can be use: FPC antenna, PCB antenna, integral antenna.

(The gain of antenna : 0dBi)

