

Mobile Computing Solutions
Mobile Rugged Computer
MRC
User Manual

CONTENTS

Copyright	iv
Disclaimer	iv
Acknowledgements	iv
Regulatory Compliance Statements	iv
Safety Information	vii

Package Contents	xii
Ordering Information	xiii

Chapter 1: Getting Started

MRC 84 Specification Overview	1
Getting the MRC Running.....	1
Unpacking.....	1
Inserting SIM card.....	2
Attaching Battery and Connecting AC Power.....	2
Turning On the MRC 84	3
Taking a Look at MRC 84	4
MRC 84 Front Views	4

Chapter 2: Operating Your Tablet PC

Starting and Stopping the Tablet PC	6
Starting the Tablet PC	6
Stopping the Tablet PC	6
Using the Quick Buttons	7
Programmable function keys.....	7

Using the Fingerprint Feature.....	10
Using the On-screen Keyboard.....	11
Using the Touchscreen	11
Using the Video Features	12
Display mode Configuration	12
Using the Audio Features.....	12
Connecting Audio Devices.....	12
Using the CMOS Camera Features	12
Using the Communication Features.....	14
Using the Wireless LAN.....	14
Using the Bluetooth Wireless Feature.....	15
Using the GPS Feature	16
Using the 3.5G Feature.....	19
Using Barcode Scanner Features (Optional)	22
Using RFID Features (Optional)	24

Chapter 3: Managing Power

AC Adapter	25
Battery Pack.....	25
Charging the Battery Pack	26
Initializing the Battery Pack	26
Checking the Battery Level.....	26
Replacing the Battery Pack.....	27
Battery Low Signals and Actions	27
Power Management	27



Hibernation28

Chapter 4: Expanding Your Tablet PC

Connecting a USB/mini USB Device29
Using the Docking Station.....29

Chapter 5: Using BIOS Setup and System

When and How to Use BIOS Setup.....30
 When to Use30
 Starting BIOS Setup30
 Moving Around and Making Selections.....31
Main Menu.....31
 System Overview32
Advanced Menu32
 Advanced Settings.....32
Boot Menu33
 Boot Settings.....33
Security Menu.....34
Exit Menu34

Preface

Copyright

This publication, including all photographs, illustrations and software, is protected under international copyright laws, with all rights reserved. No part of this manual may be reproduced, copied, translated or transmitted in any form or by any means without the prior written consent from NEXCOM International Co., Ltd.

Disclaimer

The information in this document is subject to change without prior notice and does not represent commitment from NEXCOM International Co., Ltd. However, users may update their knowledge of any product in use by constantly checking its manual posted on our website: <http://www.nexcom.com>. NEXCOM shall not be liable for direct, indirect, special, incidental, or consequential damages arising out of the use of any product, nor for any infringements upon the rights of third parties, which may result from such use. Any implied warranties of merchantability or fitness for any particular purpose is also disclaimed.

Acknowledgements

MRC 2100 is a trademark of NEXCOM International Co., Ltd. All other product names mentioned herein are registered trademarks of their respective owners. rect the interference (take adequate measures) at their own expense.

Regulatory Compliance Statements

This section provides the FCC compliance statement for Class A devices and describes how to keep the system CE compliant.

Declaration of Conformity

FCC

This equipment has been tested and verified to comply with the limits for a Class A digital device, pursuant to Part 15 of FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. 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. Operation of this equipment in a residential area (domestic environment) is likely to cause harmful interference, in which case the user will be required to correct the interference (take adequate measures) at their own expense.

CE

The product(s) described in this manual complies with all applicable European Union (CE) directives if it has a CE marking. For computer systems to remain CE compliant, only CE-compliant parts may be used. Maintaining CE compliance also requires proper cable and cabling techniques.

RoHS Compliance



NEXCOM RoHS Environmental Policy and Status Update

NEXCOM is a global citizen for building the digital infrastructure. We are committed to providing green products and services, which are compliant with European Union

RoHS (Restriction on Use of Hazardous Substance in Electronic Equipment) directive 2002/95/EU, to be your trusted green partner and to protect our environment.

RoHS restricts the use of Lead (Pb) < 0.1% or 1,000ppm, Mercury (Hg) < 0.1% or 1,000ppm, Cadmium (Cd) < 0.01% or 100ppm, Hexavalent Chromium (Cr6+) < 0.1% or 1,000ppm, Polybrominated biphenyls (PBB) < 0.1% or 1,000ppm, and Polybrominated diphenyl Ethers (PBDE) < 0.1% or 1,000ppm.

In order to meet the RoHS compliant directives, NEXCOM has established an engineering and manufacturing task force in to implement the introduction of green products. The task force will ensure that we follow the standard NEXCOM development procedure and that all the new RoHS components and new manufacturing processes maintain the highest industry quality levels for which NEXCOM are renowned.

The model selection criteria will be based on market demand. Vendors and suppliers will ensure that all designed components will be RoHS compliant.

How to recognize NEXCOM RoHS Products?

For existing products where there are non-RoHS and RoHS versions, the suffix "(LF)" will be added to the compliant product name.

All new product models launched after January 2006 will be RoHS compliant. They will use the usual NEXCOM naming convention.

Warranty and RMA

NEXCOM Warranty Period

NEXCOM manufactures products that are new or equivalent to new in accordance with industry standard. NEXCOM warrants that products will be free from defect in material and workmanship for 2 years, beginning on the date of invoice by NEXCOM. HCP series products (Blade Server) which are manufactured by NEXCOM are covered by a three year warranty period.

NEXCOM Return Merchandise Authorization (RMA)

- ❌ Customers shall enclose the “NEXCOM RMA Service Form” with the returned packages.
- ❌ Customers must collect all the information about the problems encountered and note anything abnormal or, print out any on-screen messages, and describe the problems on the “NEXCOM RMA Service Form” for the RMA number apply process.
- ❌ Customers can send back the faulty products with or without accessories (manuals, cable, etc.) and any components from the card, such as CPU and RAM. If the components were suspected as part of the problems, please note clearly which components are included. Otherwise, NEXCOM is not responsible for the devices/parts.
- ❌ Customers are responsible for the safe packaging of defective products, making sure it is durable enough to be resistant against further damage and deterioration during transportation. In case of damages occurred

during transportation, the repair is treated as “Out of Warranty.”

- ❌ Any products returned by NEXCOM to other locations besides the customer's site will bear an extra charge and will be billed to the customer.

Repair Service Charges for Out-of-Warranty Products

NEXCOM will charge for out-of-warranty products in two categories, one is basic diagnostic fee and another is component (product) fee.

System Level

- ❌ Component fee: NEXCOM will only charge for main components such as SMD chip, BGA chip, etc. Passive components will be repaired for free, ex: resistor, capacitor.
- ❌ Items will be replaced with NEXCOM products if the original one cannot be repaired. Ex: motherboard, power supply, etc.
- ❌ Replace with 3rd party products if needed.
- ❌ If RMA goods can not be repaired, NEXCOM will return it to the customer without any charge.

Board Level

- ❌ Component fee: NEXCOM will only charge for main components, such as SMD chip, BGA chip, etc. Passive components will be repaired for free, ex: resistors, capacitors.

- ✘ If RMA goods can not be repaired, NEXCOM will return it to the customer without any charge.

Warnings

Read and adhere to all warnings, cautions, and notices in this guide and the documentation supplied with the chassis, power supply, and accessory modules. If the instructions for the chassis and power supply are inconsistent with these instructions or the instructions for accessory modules, contact the supplier to find out how you can ensure that your computer meets safety and regulatory requirements.

Cautions

Electrostatic discharge (ESD) can damage system components. Do the described procedures only at an ESD workstation. If no such station is available, you can provide some ESD protection by wearing an antistatic wrist strap and attaching it to a metal part of the computer chassis.

Safety Information

Before installing and using the device, note the following precautions:

- Read all instructions carefully.
- Do not place the unit on an unstable surface, cart, or stand.
- Follow all warnings and cautions in this manual.
- When replacing parts, ensure that your service technician uses parts specified by the manufacturer.
- Avoid using the system near water, in direct sunlight, or near a heating device.
- The load of the system unit does not solely rely for support from the rack mounts located on the sides. Firm support from the bottom is highly necessary in order to provide balance stability.

- The computer is provided with a battery-powered real-time clock circuit. There is a danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type recommended by the manufacturer. Discard used batteries according to the manufacturer's instructions.

Installation Recommendations

Ensure you have a stable, clean working environment. Dust and dirt can get into components and cause a malfunction. Use containers to keep small components separated.

Adequate lighting and proper tools can prevent you from accidentally damaging the internal components. Most of the procedures that follow require only a few simple tools, including the following:

- A Phillips screwdriver
- A flat-tipped screwdriver
- A grounding strap
- An anti-static pad

Using your fingers can disconnect most of the connections. It is recommended that you do not use needle-nose pliers to disconnect connections as these can damage the soft metal or plastic parts of the connectors.

Safety Precautions

1. Read these safety instructions carefully.
2. Keep this User Manual for later reference.
3. Disconnect this equipment from any AC outlet before cleaning. Use a damp cloth. Do not use liquid or spray detergents for cleaning.
4. For plug-in equipment, the power outlet socket must be located near the equipment and must be easily accessible.
5. Keep this equipment away from humidity.
6. Put this equipment on a stable surface during installation. Dropping it or letting it fall may cause damage.
7. Do not leave this equipment in either an unconditioned environment or in a above 40°C storage temperature as this may damage the equipment.
8. The openings on the enclosure are for air convection to protect the equipment from overheating. **DO NOT COVER THE OPENINGS.**
9. Make sure the voltage of the power source is correct before connecting the equipment to the power outlet.
10. Place the power cord in a way so that people will not step on it. Do not place anything on top of the power cord. Use a power cord that has been approved for use with the product and that it matches the voltage and current marked on the product's electrical range label. The voltage and current rating of the cord must be greater than the voltage and current rating marked on the product.
11. All cautions and warnings on the equipment should be noted.
12. If the equipment is not used for a long time, disconnect it from the power source to avoid damage by transient overvoltage.
13. Never pour any liquid into an opening. This may cause fire or electrical shock.
14. Never open the equipment. For safety reasons, the equipment should be opened only by qualified service personnel.
15. If one of the following situations arises, get the equipment checked by service personnel:
 - a. The power cord or plug is damaged.
 - b. Liquid has penetrated into the equipment.
 - c. The equipment has been exposed to moisture.
 - d. The equipment does not work well, or you cannot get it to work according to the user's manual.
 - e. The equipment has been dropped and damaged.
 - f. The equipment has obvious signs of breakage.
16. Do not place heavy objects on the equipment.
17. The unit uses a three-wire ground cable which is equipped with a third pin to ground the unit and prevent electric shock. Do not defeat the purpose of this pin. If your outlet does not support this kind of plug, contact your electrician to replace your obsolete outlet.
18. **CAUTION: DANGER OF EXPLOSION IF BATTERY IS INCORRECTLY REPLACED. REPLACE ONLY WITH THE SAME OR EQUIVALENT TYPE RECOMMENDED BY THE MANUFACTURER. DISCARD USED BATTERIES ACCORDING TO THE MANUFACTURER'S INSTRUCTIONS.**
19. The computer is provided with CD drives that comply with the appropriate safety standards including IEC 60825.

Technical Support and Assistance

1. For the most updated information of WETIF products, visit NEX-COM's website at www.wetif.com.
2. For technical issues that require contacting our technical support team or sales representative, please have the following information ready before calling:
 - Product name and serial number
 - Detailed information of the peripheral devices
 - Detailed information of the installed software (operating system, version, application software, etc.)
 - A complete description of the problem
 - The exact wordings of the error messages

Warning!

1. Handling the unit: carry the unit with both hands and handle it with care.
2. Maintenance: to keep the unit clean, use only approved cleaning products or clean with a dry cloth.
3. CompactFlash: Turn off the unit's power before inserting or removing a CompactFlash storage card.

Conventions Used in this Manual



Warning: Information about certain situations, which if not observed, can cause personal injury. This will prevent injury to yourself when performing a task.



Caution: Information to avoid damaging components or losing data.



Note: Provides additional information to complete a task easily.

CHAPTER 1: GETTING STARTED

Thank you for purchasing MRC84 mobile rugged computer.

In this chapter, we will show you step by step how to get the MRC84 up and running. You will find instructions for these procedures:

- Unpacking
- Inserting SIM card
- Attaching Battery & Connecting to AC power
- Turning on the MRC84

Then, you will find a section briefly introducing the external components of the MRC84. And the last section navigates you to the information you may need after the MRC84 is ready for use.

MRC84 Specification Overview

The MRC84 is a handheld mobile tablet computer with ultra robust mechanical design and versatile functions. Featuring Intel® Atom™ processor up to 1.6 GHz with 512 KB on-die L2 cache, the MRC84 provides a powerful mobile computing platform with an 8.4 inch TFT color LCD and daylight readable touch screen. The MRC84 has built-in Wi-Fi 802.11/b/g/n and Bluetooth to enhance the mobility and smooth data access for various vertical markets. Furthermore, the MRC84 has the strictest measurement to protect all your sensitive data by implementing TPM encryption and fingerprint security features. The long lasting battery life can provide an uninterrupted use for 4~8 hours.

To extend its functionality, the MRC84 has a docking connector for USB, and SDVO ports, while the expansion slots include Mini Card socket. The MRC84 can be tailored to fit in various vertical applications, such as Point of Service, Retail, Logistics and more.

Getting the MRC84 Running

This section guides you through the procedures for getting the MRC84 ready for operation.

Unpacking

Your MRC84 package should have all the items listed in the following table.

- 1x MRC2100 (P/N: 10U00210001X0) with Protection Rubber
- 1x Protection Rubber Left (P/N: 5044440120X00)
- 1x Protection Rubber Right (P/N: 5044440112X00)
- 1x Battery (P/N: 4ZTSS26301X00)
- 1 x Adapter (P/N:7400065005X00)
- 1x MRC2100 CD Driver
- 1x MRC2100 Quick Reference Guide
- 2x MRC2100 HEAD SCREW (P/N: 50311F0139X00)

Inserting SIM card

1. Make sure that the MRC84 is turned off.
2. Place the MRC84 face down, the top toward from you. Removing the protection rubbers



3. Insert the SIM card to the slot.



4. Push in the SIM card until it is locked, push the card again to eject.

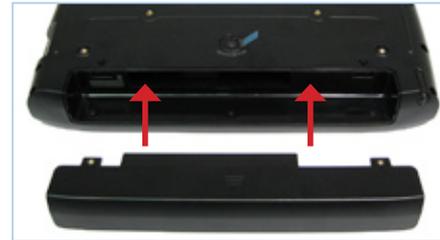


Attaching Battery and Connecting AC Power

The MRC84 operates either on the external AC power or internal battery power. We suggest that you use AC power when you start up the MRC84 for the very first time.

 **CAUTION:** Be sure to use only the AC adapter included with your MRC84. Do not use other AC adapter; you may damage both your battery and the MRC84

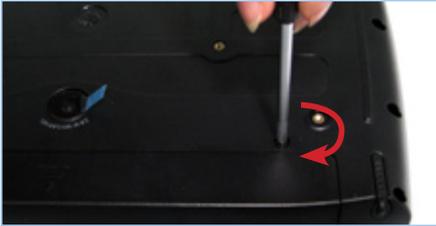
1. Attach the battery as shown below.



2. Secure the screws on left side.



3. Secure the screws on right side.



4. Flip the device to face up, connect the AC power adapter.



Turning On the MRC84

1. Press the Power Button to start the MRC84.



2. The MRC84 is booted to Windows XP.



3. Use the Navigation buttons to control the cursor.



4. Congratulations, your MRC84 is ready to use.

Taking a Look at MRC84



NOTE: Depending on the model you purchased, the appearance of your MRC84 may not be exactly the same as those shown in this manual.

MRC84 Front Views



	Components	Descriptions
1	LED Indicators	<ul style="list-style-type: none"> Indicate the power status (Blue) Indicate the battery status (Green) Indicate the HDD status (Green) Indicate the Wireless status (Orange) Light Sensor
2	Barcode/ RFID Key	Programmable Function key for Barcode / RFID

	Components	Descriptions
3	Microphone	2 x digital microphones
4	Speakers	Internal 2 x digital stereo speakers (2+2W/4Ω), one on each side
5	Power Switch	Power On/Off button
6	Wireless Switch	Wireless On/Off button
7	Finger Print	Finger print scanner (TSC4CA)
8	Camera Switch	Programmable Function key for CMOS camera
9	Touch Screen/ LCD	Resistive sun light readable touch screen LCD with light sensor to support auto dimming
10	Programmable Function Keys	4 x Programmable Function keys F1--> ESC F2--> F2 ; continuously press F2 key for 3 secs to activate Screen Rotation F3--> Brightness UP F4--> Brightness Down
11	Navigation	Navigation function keys to go up, down, left, right, and select

MRC84 Rear View



	Components	Descriptions
1	Stylus Pen	Stylus Pen for resistive touch screen
2	Camera	2.0 M Pixel CMOS camera
3	Battery	2600mAh battery pack

MRC84 Bottom View



	Components	Descriptions
1	Mini USB	Mini USB (Client)
2	USB	1 x USB2.0
3	Power Connector	DC-in 19V / 3.42A (65W)
4	Docking Connector	1 x 32-Pin Po Go connector for docking station
5	USB	1 x USB2.0
6	MIC-in	3.5 mm MIC-in jack
7	Line-out	3.5 mm Line-out jack

CHAPTER 2: OPERATING YOUR TABLET PC

In this chapter, you will learn information about the use of the MRC84. If you are new to tablet PCs, reading this chapter will help you learn the operating basics. If you are familiar to tablet PCs, you may choose to read only the parts containing information unique to your system.

Starting and Stopping the Tablet PC

There are numerous ways to start and stop your tablet PC.

Starting the Tablet PC

Always start the MRC84 by pressing the power button. Your MRC84 is pre-loaded with XP Pro for embedded Operating System (OS). The system will automatically load the OS after you turn it on.



Note: According to XP Pro for embedded user agreement, the OS is intended for specific embedded application use only. This agreement prohibits end user to install any comical software, such as email, word processor, worksheet, database, schedule, and financial applications directly onto this device. The device must access these applications through its application server.

Stopping the Tablet PC

At the end of a working session, you can stop or shutdown the tablet PC by turning off the power or leaving the tablet PC in Standby or Hibernation mode:

Mode	To Select the Mode...	To Start up or Resume the PC
Off	Follow the shutdown instruction of your operating system.	Press the power button.
Standby	If the Standby setting is enabled in Windows, you can place the tablet PC in Standby mode by pressing the power button.	Press the power button.
Hibernation	If the Hibernation setting is enabled in Windows, your settings in Windows, you can place the tablet PC in Hibernation mode by pressing the power button.	Press the power button.

The Standby and Hibernation modes are designed to quit and resume to work quickly, you can return to where you left off the next time you start up the tablet PC. (See “Managing Power” in Chapter 3 for more information.)

Using the Quick Buttons

The MRC84 has some user-friendly quick buttons for quick access and convent operation.



Programmable function keys

These four quick programmable buttons are located at the bottom right of the tablet PC.

- F1 button is the Escape key, in standard MS Windows; it is used to back out of situation.
- F2 button is the standard MS Windows F2 key, which is used to rename an item when working in Windows. Pressing down F2 key for 3 seconds to activate Screen Rotation
- F3 button is the LCD brightness control up key.
- F4 button is the LCD brightness control down key.

Setup the Function Key utility

1. Go to C:\Utility\Function key_utility and run Nexcom-Functionkey-Setup.exe

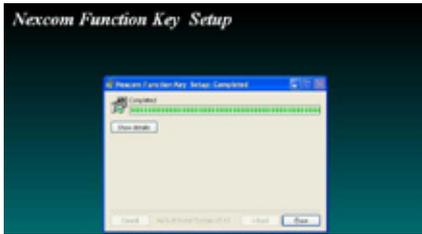
2. Click <Next>.



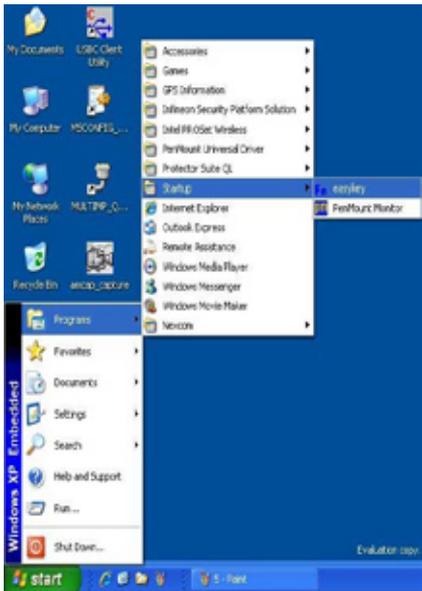
3. Click <Install>.



4. Click <Close>.



5. Open program from start\ programs\ startup\ easykey



6. Re-boot OS.

Configure the Function Key utility and User Define Setting

1. Click Fn Icon , Open Utility.



2. Right click and open the function key window from taskbar.



3. Take front button 1 as example.

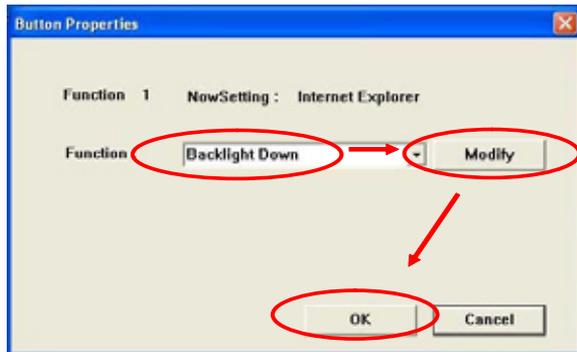
The button properties windows display the hotkey's current setting and from the drop down menu, you can select the desired options.



MRC84 provide the default function options listed below:

- 1 Backlight Down.
- 2 Backlight UP.
- 3 Customize.
- 4 Internet Explorer.
- 5 Screen keyboard.
- 6 WordPad.

4. Choose the one you would like and then click "Modify" and then OK



5. If you wish to define your key setting, select 'customize'

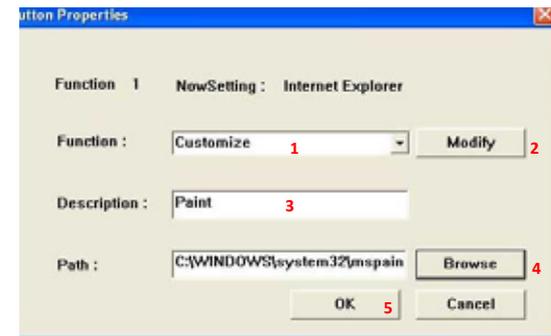
5-1 Select customize

5-2 Click Modify

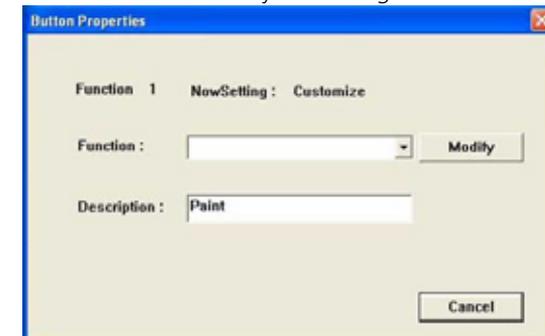
5-3 Describe the setting

5-4 Browse the path and choose the program file

5-5 OK



6. The window shows your setting



Navigation Key

The navigation button is located at the bottom center of the tablet PC. It is used to control the cursor movement or hi-lighted item to go up, down, left, right, and select.

Using the Fingerprint Feature

The fingerprint scanner helps protect your important data from unauthorized access. Follow the instruction to set up your fingerprint.



Note: please refer to Protector Suite QL user manual in CD for complete detail.

Fingerprint Enrollment

Each user identity in Protector Suite QL is represented by a “passport”, which contains biometric fingerprint data used to verify the identity of the user.

Before using the software for the first time, fingerprint samples for your passport must be created.

To launch the Enrollment Wizard:

- Select Start > All Programs > Protector Suite QL > User Enrollment Verify yourself (Windows password will be required, if you have one) and choose a method of verification you would like to use (fingerprint only, fingerprint and a smart card etc.).

Accessing Main Features

The Biomenu

The Biomenu gives you a quick access to Protector Suite QL's features, such

as locking your computer, launching registered sites and register web sites and dialogs, locking archive files or displaying Help.

- To display the Biomenu: After you have enrolled at least one finger, swipe it over the fingerprint sensor and the Biomenu will be displayed.
- The Control Center: You can access the general Settings of Protector Suite QL and the Fingerprints management features (e.g. editing and deleting passports) in the Control Center dialog.
- To display Control Center:
 - Select Start > All Programs > Protector Suite QL > Control Center
 - or swipe your finger to display the Biomenu and select Control Center
 - or right-click on the tray icon and select Start Control Center...

The Control Center main screen is displayed. In this dialog, the main functions of Protector Suite QL are displayed. Click the function name to display a screen listing the valid actions available. The functions include Fingerprints, Applications, Settings, and Help.



System Tray Icon

The Protector Suite QL icon in the system tray indicates that the program is running and gives access to functions that do not require fingerprint authentication.

- To display HTML help:
 - Select Start > All Programs > Protector Suite QL > Help
 - or select Help from the Biomenu,
 - or right-click on the tray icon and select Help
 - or click on the Help icon in the Control Center dialog
- Displaying context-sensitive help is also available in most dialogs.
- To display context-sensitive help:
 - Press F1 to display the HTML help in the dialog box for which you need help.

Using the On-screen Keyboard

You may get on-screen keyboard easier by setting it as quick button, (refer to Programmable Function Keys) or access the on-screen keyboard from Windows Desktop; please go to Start > All Programs > Accessories > Accessibility > On-screen Keyboard.



Using the Touchscreen

MRC84 tablet PC comes with resistive touchscreen function and Active Digitizer (optional) feature. The touchscreen function only available when running in the Windows, thus it is not available in DOS mode or BIOS Setup program.



CAUTION: Only use the included stylus pen on touchscreen. Do not use a sharp object such as ballpoint pen or pencil on the touchscreen. Doing so may result in damaging the touchscreen surface...

The touchscreen has same function as a mouse device. It allows you to perform click, double-click, and right-click functions.

Function	Action
Click/Point	Use stylus pen to tap gently on the item/menu in the Windows
Double-click	Use stylus pen to tap twice rapidly on the item/menu in the windows
Right-click	Use stylus pen to press lightly on the item/menu until a pop-up menu appears, and then select the desired function
Drag and drop	Use stylus pen to drag and drop an item by pressing and hold down on the desired item, drag your pen to bring the item to reach your destination, and release your pen to drop the item to the designated location

Using the Video Features

Your tablet PC comes with convenient video features as follow:

- 8.4" TFT Color / 1CH 18bit LVDS LCD
- Display rotation by pressing down F2 button for 3 seconds
- Ambient light sensor to support auto LCD backlight dimming. You may change the active auto backlight control on/off in BIOS. Default setting is off.
- Manually adjust the display brightness using the LCD brightness up (F3) and down (F4) buttons.

Display mode Configuration

Your tablet PC has been set to a default resolution (800x600) and display mode before shipment. To view and change display settings through your operating system, see your operating system documentation or online help for specific information.

Using the Audio Features

Your tablet PC comes with convenient audio features as follow:

- Integrated with high density codec (ALC888-VC2-GR)
- One External Microphone-in
- One external Line-out
- Internal 2 x digital stereo speakers (2+2W/4Ω), one on each side

Connecting Audio Devices

For higher audio quality, you may connect external audio devices, such as speakers, headphone, or earphone through the audio-out connector.

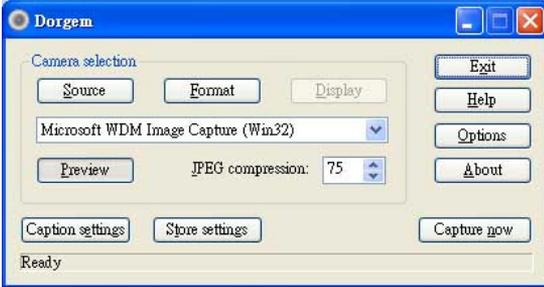
Using the CMOS Camera Features

Your tablet PC is preinstalled with 2 M Pixel CMOS camera. The camera push button is located at the top right corner for convenient access.

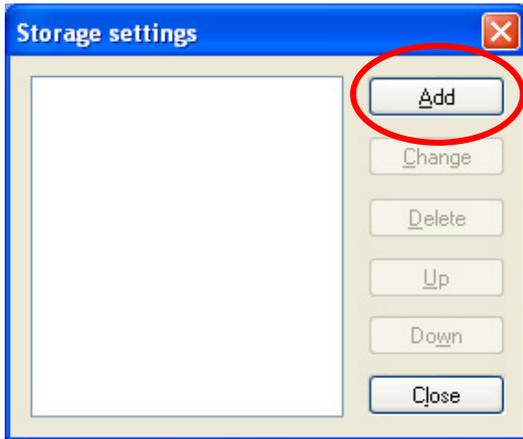
Launch the CMOS Camera

1. Double click <Dorgem> icon from Desktop.
2. In Dorgem pop-up window, it displays the basic camera setting.

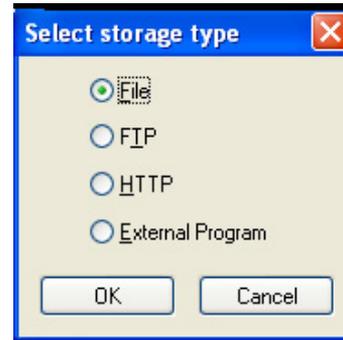
3. Click Storage settings to set file store location.



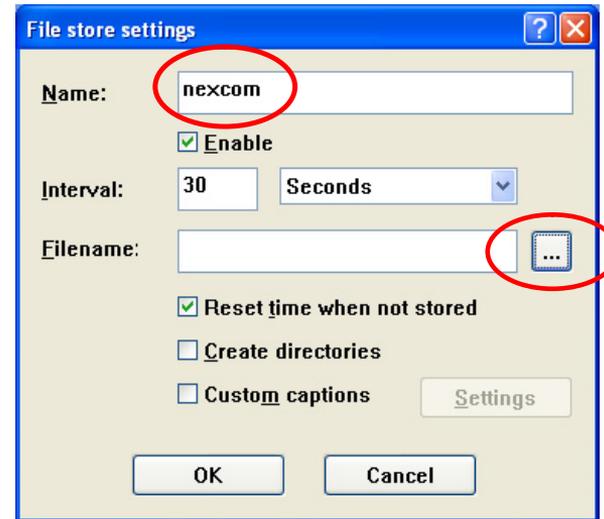
4. Click Add and choose storage type.



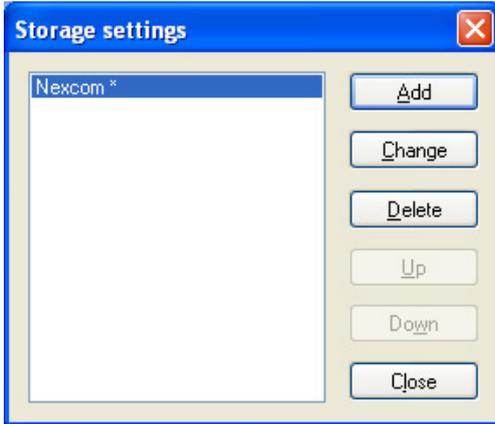
5. Click OK and file store settings window shows below.



6. Fill in name of this setting and browser the URL you would like to put.



7. Click OK and your setting shows below.



8. The preview window displays the current capture screen. Aim at the target and press the <PHOTO> button at the top right of the MRC 2100.



Using the Communication Features

Using the Wireless LAN

Your tablet PC support wireless LAN with the following features:

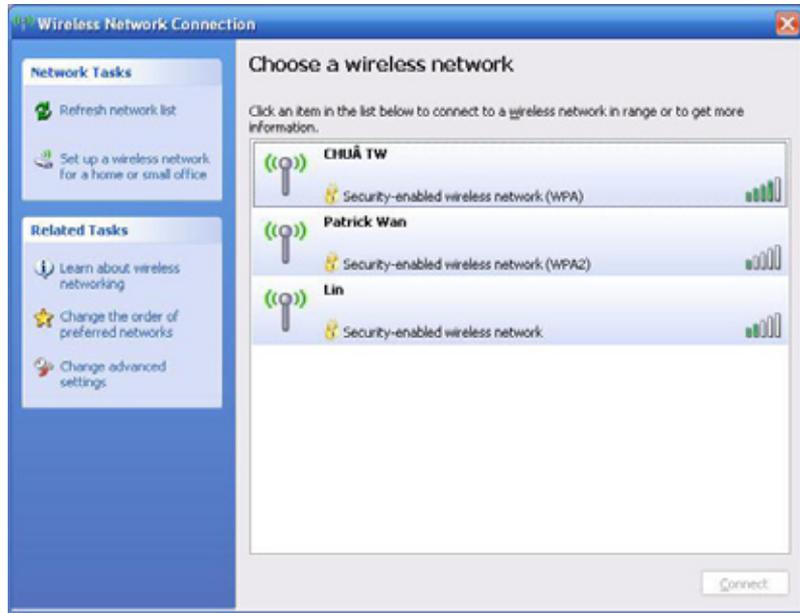
- The integrated Intel 4965AGN wireless card supports 802.11a/b/g/n
- Supports WPA, and WPA2, 802.1x security
- Supports 64-bit and 128-bit WEP, AES-CCMP, TKIP data encryption
- Supports Peer-to-Peer (Ad-Hoc) and Access Point (Infrastructure) modes

Technology	802.11a	802.11b/g	802.11n
Maximum Throughput (Mbps)	54	11/54	248
Band (GHz)	5	2.4	2.4, 5
Modulation	OFDM	DSSS/OFDM	OFDM
Security Authentication	WPA and WPA2, 802.1 X, LEAP, EAP-TLS, PEAP-TLS, and PEAP-MSCHAPv2		
Encryption Protocols	CKIP, TKIP, 64-bit and 128-bit WEP (for 802.11a/b/g), AES-CCMP (for 802.11a/b/g/n)		
Wi-Fi Alliance	Wi-Fi Certified* for 802.11a, 802.11b, 802.11g, WMM*, WPA*, and WPA2*		

Configuring Your Wireless LAN

To connect to a wireless network:

1. Double-click the Wireless Network Connection icon located at bottom right on your Windows system tray.
2. The Wireless Network Connection window displays the detected wireless network.



3. Choose a wireless network to connect, click <Connect>, and follow the Windows instruction to complete the network setup.

4. If you are connecting to a protected network, enter the security info when prompted.

Using the Bluetooth Wireless Feature

You may use the built-in Bluetooth feature for short-range wireless communications between devices up to 10 meters. The default setting of the Bluetooth feature is active (always ON) upon booting your tablet PC; and it is in the general discoverable and pair-able mode.

Adding a device- Steps to take on the MRC2100

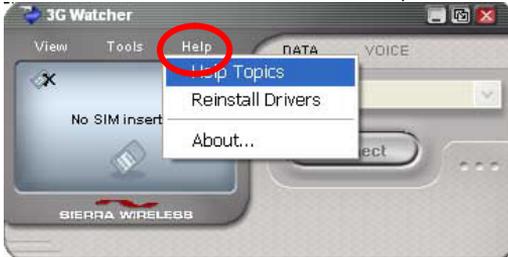
1. From Desktop, go to Start > Run, type `bthprops.cpl`, and then click <OK>.
2. In Bluetooth Settings, click <Add>.
3. In the Add Bluetooth Device Wizard, click to select the "My device is set up and ready to be found" check box, and then click <Next>.
4. Select a device to add, and then click <Next>.
5. Enter a passkey for the device.

Adding a device- Steps to take on the device

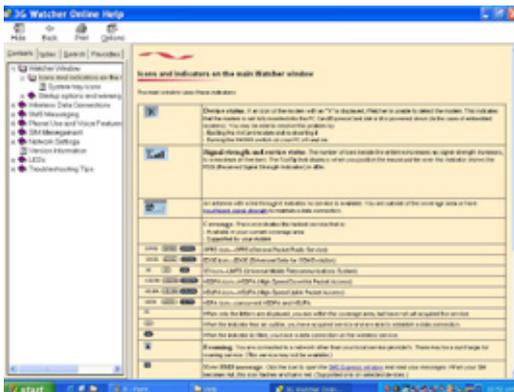
1. On the connecting device, click in the message that indicates that you are requesting a connection.
2. Enter the same passkey as entered in step 5.

When the passkey is verified, the connection is complete. The device is now visible on your computer. By default, the option to turn discovery off is selected so that the computer does not remain discoverable at all times. Refer to Windows Help for more detail.

5. For more information, Select <Help>.



6. Select the help topics for detail.

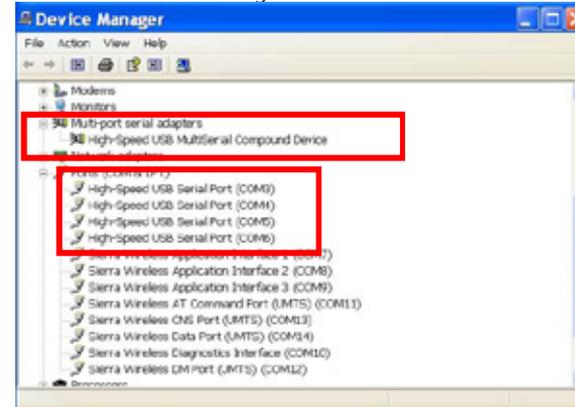


Using Barcode Scanner Features (Optional)

The MRC84 has optional Barcode Scanner. By default the Barcode AP is pre-installed in your Operating System. If you wish to add the Barcode Setup and using MRC84 Barcode MDL-2000 Scanner, please contact your sales for detail.

Setup and using MRC84 Barcode MDL-2000

1. Go to Device Manager to ensure the device is installed correctly.

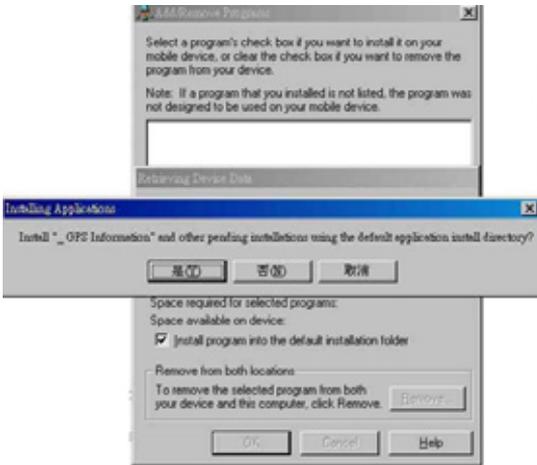


2. Launch <Tscan.exe> in C:\Utility\Barcode-MDL-21--_Utility.

4. When the setup complete, press <Finish>.

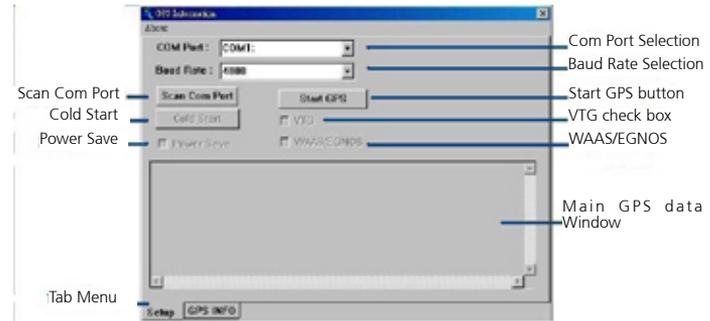


5. Once the installation is completed, installation of GPS Information onto PDA device will be launched automatically. Select <Yes> to continue.



Setup Window Screenshot

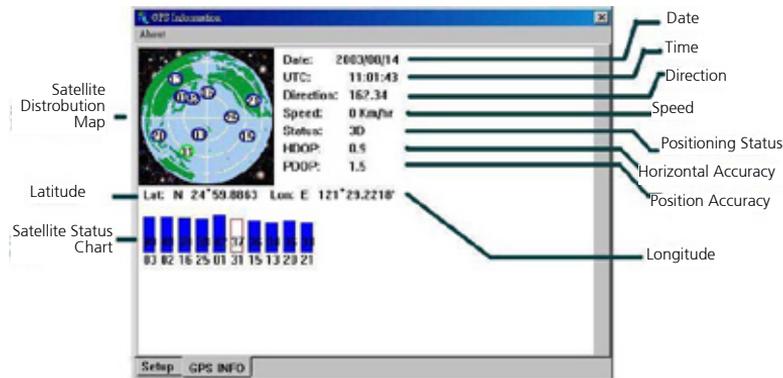
Double click GpsInfo_Vista icon from Desktop to start GPS.



- “Scan Com Port” - Scan all available communication port for GPS reception
- “Cold Start” - Cold start the GPS receiver
- “Power Save” - Check the box to enable/disable the Power Save Mode (the option is available only when a GPS device is found)
- “Tab Menu” - Switch between Setup and GPSINFO windows
- “Com Port Selection” - Select the appropriate communication port where GPS receiver is configured (it may be necessary to try several communication ports until the right one is found)
- “Baud Rate Selection” - Select the appropriate transferring rate (**Please set the baud rate at 38400**)
- “Start GPS button” - Turn on/off the GPS device
- “VTG check box” - Some navigation or map software requires to receive VTG data output for during operation. Check the box to activate the VTG data output.

- “WAAS/EGNOS” - Check the box to activate WAAS/EGNOS in order to increase the accuracy of positioning
- “Main GPS data Window” - Display data received by GPS device.

GPS Info Window Screenshot



- “Satellite Distribution Map” – Display the position of all connected Satellites
 - A unique number is assigned to each satellite.
 - Red circle indicates that the satellite location is known from almanac information; however, the satellite is not currently being tracked.
 - Green circle indicates that the satellite is being tracked; how ever, it is not being used in the current position solution.
 - Blue circle indicates that is being tracked and is being used in the current position.

- “Latitude” – User’s current latitude is displayed in N/S degree (North/South Hemisphere) format
- “Satellite Status Chart” – display the status of each connected satellite
 - The number under each bar marks corresponding Satellite, and the height of each bar represents the strength of the satellite.
 - Red bar indicates that the satellite location is known from almanac information; however, the satellite is not currently being tracked.
 - Green solid bar indicates that the satellite is being tracked; however, it is not being used in the current position solution.
 - Blue bar indicates that the tracked and is being used in the current position.
- “Date” – display the current date in (dd/mm/yy) format.
- “Time” – display the current (UTC) time in (hh:mm:ss) format.
- “Direction” – display the current direction from 000.0° to 359.9°
- “Speed” – Display the current moving speed in km/hour
- “Positioning Status”- Three Modes
 1. No Fix
 2. 2D Positioning
 3. 3D Positioning
- “Horizontal Accuracy” - Range from 0.5 to 99.9, the smaller the better
- “Position Accuracy” - Range from 0.5 to 99.9, the smaller the better
- “Longitude” – Display current longitude in E/W (East/West Hemisphere) Time (hhmmss)

GPS Information Instructions

1. Make sure that the GPS device is properly inserted.
2. Start GPS Information Software.
3. Choose and select the proper communication port. (It might be necessary to try each available port to find the right one since the default communication port varies according to different hardware device.)
4. Click "Start GPS button" to activate the GPS receiver.
5. Upon successful connection, GPS output data should be displayed in "Main GPS data Window". If no data is observed, make sure the GPS receiver is working and properly inserted. Otherwise choose another communication port.
6. Satellite status can be observed in the "GPS Info Window". Use the "Tab Menu" to switch between Setup window and GPS info window.
7. Please make sure to de-activate the GPS device before exiting this program.

Using the 3.5G Feature

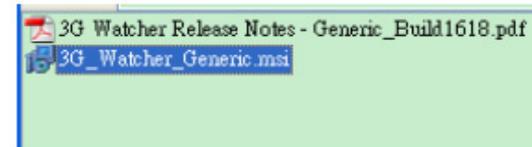
3.5G is a 3G mobile telephony communications protocol in the High-Speed Packet Access (HSPA) family. It allows networks based on Universal Mobile Telecommunications System (UMTS) to have higher data transfer



Note: To install the SIM card, refer to Inserting SIM card section in CH1.

MRC2100 3.5G (MC8775V) Driver and AP Installation

1. Run 3G_Watcher_Generic.msi from the driver CD.



2. The InstallShield Wizard is launched, press <Next>.



3. At License Agreement screen, select "I accept the terms in the license agreement", and press <Install>.



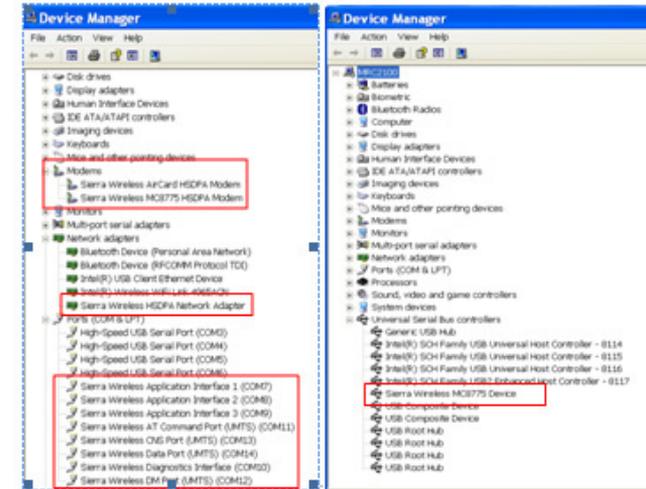
4. The installation is completed, press <Finish>.



5. System found the new hardware.



6. Go to device manager to ensure the device has been properly installed.



Connecting to Internet

1 Connect to Internet by launching the 3G watcher AP from Desktop. Press <Connect>.



2. Connecting to the Internet.



3. You have successfully connected to Internet.



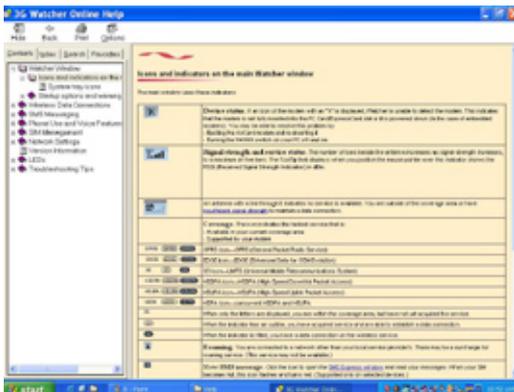
4. To place a telephone call, select <VOICE>, enter the phone number from on-screen numeric key pad. Be sure to connect MIC and Head-phone.



5. For more information, Select <Help>.



6. Select the help topics for detail.

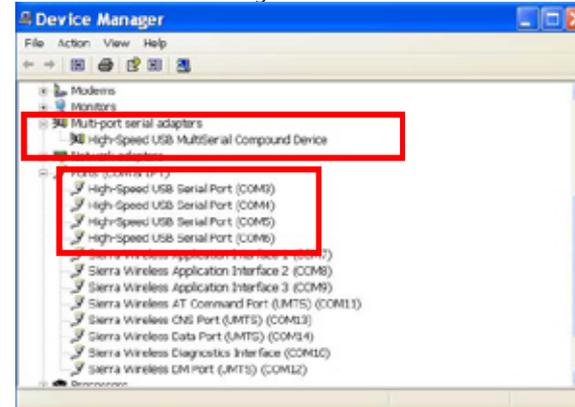


Using Barcode Scanner Features (Optional)

The MRC84 has optional Barcode Scanner. By default the Barcode AP is pre-installed in your Operating System. If you wish to add the Barcode Setup and using MRC84 Barcode MDL-2000 Scanner, please contact your sales for detail.

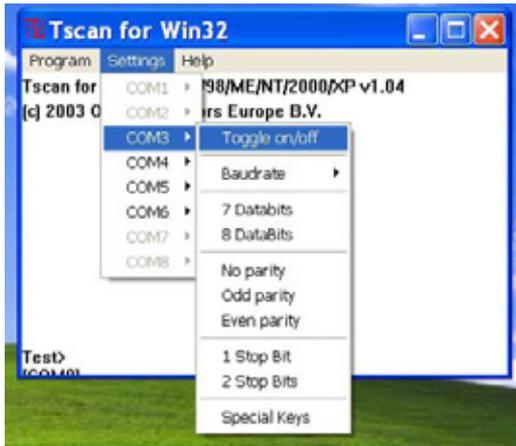
Setup and using MRC84 Barcode MDL-2000

1. Go to Device Manager to ensure the device is installed correctly.

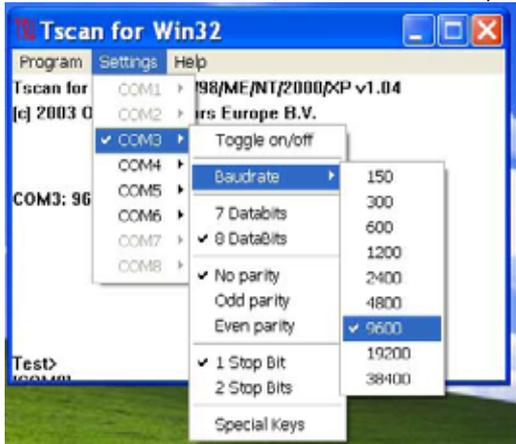


2. Launch <Tscan.exe> in C:\Utility\Barcode-MDL-21--_Utility.

3. Go to Settings from drop-down menu. The default setting is COM3; set to <Toggle ON>.



4. Set Baud rate to 9600, and 8 DatBits; No parity; 1 Stop Bit under COM3.

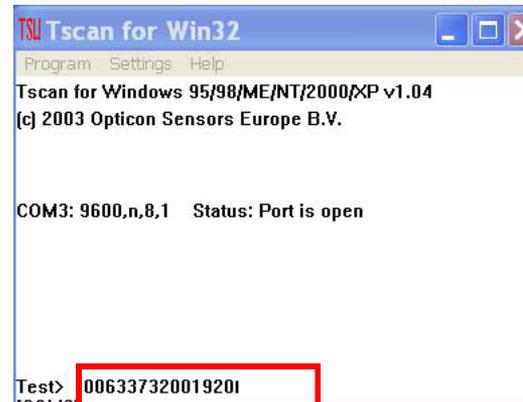


5. Be sure the current setting is COM3:9600,n,8,1 Status: Port is open.



6. The barcode scan button is located at the top left corner of the system. Push the Scan button and aim scan light to read barcode.

7. The barcode number is shown at the bottom of the screen.

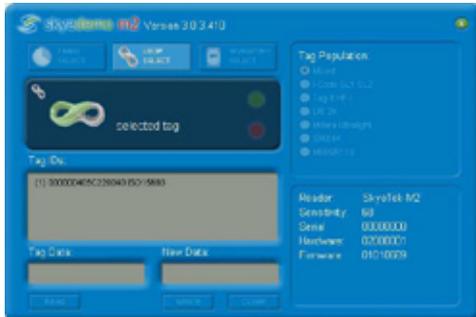


Using RFID Features (Optional)



Note: Due to software conflict please disable 3.5G device when using RFID AP. Both devices cannot be enabled at the same time. FID's AP (SkyeDemo) is intended for demo and verification purpose. For other purpose, please contact NEXCOM sales rep.

1. Launch <SkypeDemo> in C:\Utility\RFIF_Utility.



2. Place the RFID test card nearby the RFID reader. The reader is located on top left side of the unit.

3. Click <LOOP SELECT>, to search the RFID within its parameter.



4. The reader found a RFID; display the data in Tag IDs field.



5. Click <LOOP SELECT> again to stop the test.

CHAPTER 3: MANAGING POWER

Tablet PC can be operated on external AC power or on internal battery power. This chapter tells you how you can effectively manage the PC power. Keep in mind that it's important to properly use the battery to obtain optimal battery performance.

This chapter covers the following information:

- What is an AC adapter
- Charging the battery pack
- Initializing the battery pack
- Checking the battery level
- Replacing the battery pack
- Battery low signals and actions
- External battery usage
- Power saving tips

AC Adapter



CAUTION: The AC adapter is designed for indoor use, and use of your tablet PC only. Connecting the AC adapter to other device can damage the adapter.

The AC power cord supplied in your tablet PC package is for use of the country of purchase only. If you plan to travel abroad with your tablet PC, consult with your dealer first for the appropriate power cord. When disconnecting the AC adapter, begin disconnecting from the electrical outlet and then disconnect from the tablet PC. A reverse procedure may cause

damages to the AC adapter or tablet PC. Always hold the plug head when unplugging the connector. Never pull on the cord.

As the tablet PC runs on DC power, the AC adapter would be serving as a converter of AC (Alternating Current) and DC (Direct Current) power. As an electrical outlet usually provides AC power, it also charges the battery pack when connecting to AC power. The adapter operates on any voltage in the range of 100 to 240 V AC.

Battery Pack



CAUTION: Battery can explode, leak, or catch on fire if exposed to high temperatures or fire, opened or disassembled.

Recycling your battery! Do not dispose the battery pack to trash can. It may contain toxic materials. They could threaten our environment if not properly discarded.

The battery pack is the source of power of the tablet PC. It can be recharged by using an AC adapter. The operating time of a fully charged battery pack is vary and is depended on usage. Operating time could be shortened when access to peripheral applications is frequent. The battery power output is DC11.1V 2600mAh.

Charging the Battery Pack



Note: The battery will not be charged in a temperature below 0 °C (32 °F). It is also recommended not to charge the battery when surrounding temperature is above 45 °C (113 °F).

When the surrounding temperature gets above 55°C (131 °F), the battery indicator will flash in red and may automatically shut-down the charging process to prevent battery damage.

Do not disconnect the AC adapter unless the battery is fully charged; A partially charged battery may shorten the life of the

When the battery power level is low, the power indicator (blue) and battery indicator (Green) will blink to alert for action. To charge the battery pack, connect the AC adapter and the tablet PC to an electrical outlet.

The Battery Charge Indicator located on the tablet PC should glow in amber lighting to indicate charging is in progress. It is suggested to keep the tablet PC power off while the battery is charging.

When the battery is fully charged, the Battery Charge Indicator will turn green. Charging process of a Li-Ion battery usually completes in 3 hours under the temperature of 25°C. Longer charging time may be required in a lower temperature.



NOTE: The battery level may become lower even it is fully charged due to the self-discharging process. It is a normal situation and could be happened whether or not the battery pack is installed in the tablet PC

Initializing the Battery Pack

Initializing is a process of fully charging a battery pack, discharging it, and then fully charging it again. The whole process may take several hours.

Two circumstances require battery pack initializing. One is when a brand new battery pack is to be used for the first time. Another one is the occurrence of a battery actual operating time is much less than expected.

There are 3 steps to initialize the battery pack:

1. Turn off the tablet PC power. Then connect the AC adapter to recharge the battery pack.
2. Disconnect the AC adapter and leave the tablet PC on. The tablet PC will be shut down by itself when the battery is completely discharged.
3. Connect the AC adapter to fully charge the battery pack. The initializing process is completed.

Checking the Battery Level



NOTE: Battery level is an indication of estimated result of the system only. The actual operating time may vary from the indication depending on the level of tablet PC usage.

By Operating System

You can check the approximate battery level using the battery meter function of the operating system. To read the battery level in Windows, go to Control Panel> Power Options> Power Meter. The Power meter icon could be set to Taskbar for easy access.

Replacing the Battery Pack



CAUTION: Explosion might occur when an inappropriate battery is replaced to the system. Use only the tablet PC manufacturer's recommended battery pack for replacement. Follow the dealer's instructions to discard any used battery.

Do not attempt to disassemble the battery pack.

Purchase additional battery packs and fully charged them as up for travel or extended usage.

To replace the battery pack, follow the steps in "Attaching Battery and Connecting AC Power" section in Chapter 1.

Battery Low Signals and Actions

The battery voltage drops as the battery is discharging. "Battery Low" indicator will be turned on when the battery is at 10 % of its remaining power level (10% is Windows default setting). Power indicator (blue) and battery indicator (green) will blink to alert for action.



NOTE: Level of low battery alert can be setup under Windows.

Save information data as soon as possible when the system indicates low battery power. The remaining operating time vary from types of usage. Audio subsystem, PC card, hard or USB flash disk could drive out the battery power very quickly. Respond to the Battery Low signal by taking one of the following actions: Place tablet PC on Standby or Hibernation mode

1. Turn off the tablet PC
2. Connect the tablet PC with AC adapter.

If no action has taken, the tablet PC will be hibernate and turn off automatically



CAUTION: Do not access any PC card when the battery is low. It might cause access failure when the battery runs out before the access is completed, thus losing any information data.

Power Management

The MRC84.16 supports ACPI (Advanced Configuration and Power Interface) for power management. The power management feature reduce the power consumption, thus conserve battery usage.

With an ACPI-compliant enabled in Windows XP, the operating system controls the power supply usage. The power is distributed to different components on an as-needed basis.

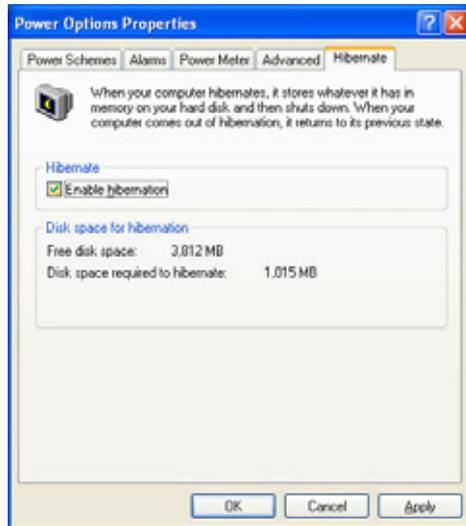
To maximize the battery power that best fit your needs, configure the Power Management setting from Desktop, go to Start > Control Panel > Power Options > Power Schemes. Refer to Windows Help for detail.



Hibernation

Hibernation is a useful power-saving feature to conserve battery power. As the name suggests “hibernation”, the unit saves all the running applications and documents before it shuts down. When the unit is awake from Hibernation mode, it will automatically reload the running applications on desktop exactly as before. This feature allows the unit to be turned off to save the battery power, and resume to working condition in few seconds.

To enable the Hibernation feature, from Desktop go to Start > Control Panel > Power Options > Hibernation. Click <enable Hibernation> then <OK>. Refer to Windows Help for detail.



Power-Saving Tips

Battery operating time can be extended by the followings:

1. Set tablet PC in power saving mode (see previous section)
2. Enable Power Management
3. Reduce the LCD brightness to the lowest comfortable level.
4. Shorten the length of time Windows turns off the display.
5. Eliminate the use of USB devices such as uses the touch screen pen instead of a USB mouse and unplug the USB flash drive when it is not in use.
6. Exit application that uses PC card when finished.
7. Remove any PC card that is not in use. Some PC cards might drain down battery power even if they are inactive.
8. Deactivate Wireless LAN function when it is not in use. (see Chapter 2).
9. Deactivate Bluetooth wireless function when it is not in use. (see Chapter 2).
10. Turn off the tablet PC when it is not in use.

CHAPTER 4: EXPANDING YOUR TABLET PC

Tablet PC capability can be enhanced by connection of various peripheral devices

When apply, be sure to accompany the devices instruction with the relevant section in this chapter.

This chapter provides guidelines of installing and using the following devices:

- USB /mini USB device
- Docking Station

Connecting a USB/mini USB Device

Your tablet PC has two USB ports for connection of USB devices such as digital camera, scanner, printer, modem, mouse etc. Please note the USB ports may support transfer rates up to 12 MB/s for USB 1.1 devices and 480 MB/s for USB 2.0 devices.

Your tablet PC has one mini USB (client) port for USB connection of PC or Laptop to transfer data and update information.

Using the Docking Station

Docking station is an add-on option.

A docking station is a device which eliminates the hassle of connecting and disconnecting various cables and peripherals when the tablet PC is used in multiple places. The docking station can be connected thru the docking connector located in front of the tablet PC. Simply locate the docking connector and connect it to the docking station.

For more information, please refer to the Operating Instructions of the docking station.

CHAPTER 5: USING BIOS SETUP AND SYSTEM

BIOS Setup Utility is a program for configuring the BIOS (Basic Input/Output System) settings of the tablet PC. BIOS is a layer of software, called firmware, that translates instructions from other layers of software into instructions that the tablet PC hardware can understand. The BIOS settings are needed by your tablet PC to identify the types of installed devices and establish special features.

The System Recovery feature allows your system's hard disk drive to return back to its factory default state with Windows operating system in its initial setting.

When and How to Use BIOS Setup

When to Use

This program should be executed under the following conditions:

- When changing the system configuration
- When a configuration error is detected by the system and you are prompted to make changes to the Setup program
- When redefining the communication ports to prevent any conflicts
- When making changes to the Power Management configuration
- When changing the password or making other changes to the security setup

Normally, CMOS setup is needed when the system hardware is not consistent with the information contained in the CMOS RAM, whenever the CMOS RAM has lost power or the system features need to be changed.

Starting BIOS Setup

When the system is powered on, the BIOS will enter the Power-On Self Test (POST) routines. These routines perform various diagnostic checks; if an error is encountered, the error will be reported in one of two different ways:

- If the error occurs before the display device is initialized, a series of beeps will be transmitted.
- If the error occurs after the display device is initialized, the screen will display the error message.

Powering on the computer and immediately pressing <F2> allows you to enter Setup. Another way to enter Setup is to power on the computer and waits for the following message during the POST:

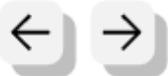
Press the <F2> key to enter Setup:

Moving Around and Making Selections

The BIOS setup/utility uses a key-based navigation system called hot keys. Most of the

BIOS setup utility hot keys can be used at any time during the setup navigation process.

These keys include <F1>, <F10>, <Enter>, <ESC>, <Arrow> keys, and so on.

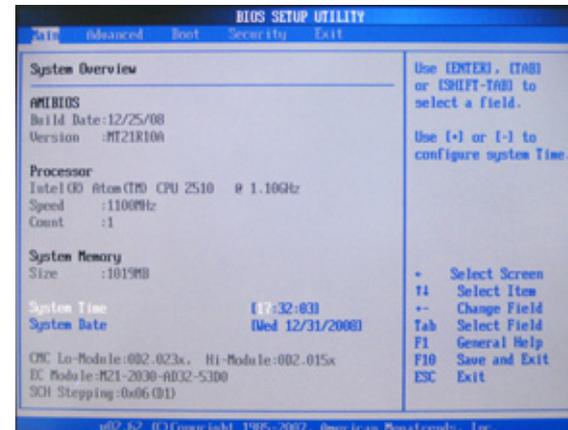
Hot Key	Functions
	Select Screen
	Select Item
	Change Field
	General Help
	Save and Exit
	Exit

Main Menu

The main BIOS setup menu is the first screen that you can navigate. Each main BIOS setup menu option is described in this user's guide. The Main BIOS setup menu screen has two main frames. The left frame displays all the options that can be configured. "Grayed-out" options cannot be configured. Options in blue can be configured. Options in white can be.

The right frame displays the key legend. Above the key legend is an area reserved for a text message. When an option is selected in the left frame, it is highlighted in white. Often a text message will accompany it.

When you first enter the Setup Utility, you will enter the Main setup screen. You can always return to the Main setup screen by selecting the Main tab. The Main BIOS Setup screen is shown below.



System Overview

AMIBIOS:

Display the version of the current Bios

Processor:

Display the current process information

System Memory:

Display the system memory size

System Time/System Date:

Use this option to change the system time and date. Highlight System Time or System Date using the <Arrow> keys. Enter new values through the keyboard. Press the <Tab>key or the <Arrow> keys to move between fields. The date must be entered in MM/DD/YY format. The time is entered in HH:MM:SS format.

Advanced Menu

Select the Advanced tab from the setup screen to enter the Advanced BIOS Setup screen.

You can select any of the items in the left frame of the screen, such as CPU Configuration, to go to the sub menu for that item. You can display an Advanced BIOS Setup option by highlighting it using the <Arrow> keys. The Advanced BIOS Setup screen is shown below.



Advanced Settings

CPU Configuration:

You can use this screen to select options for advanced CPU Configuration Settings. Use the up and down <Arrow> keys to select an item. Use the <Plus> and <Minus> keys to change the value of the selected option.

IDE Configuration:

Your computer has two IDE channels (Primary and Secondary) and each channel can be installed with one or two devices (Master and Slave). Use these items to configure each device on the IDE channel.

Backlight Configuration:

Select the options to enable/disable auto backlight sensor.

South Bridge Configuration:

Select the options to support USB functions.

Trusted Computing:

Select the options to enable or disable TPM (Trusted Platform Module) to the system.

USB Configuration:

This setting allows you to enable/disable the onboard USB controller. Set the value of USB Function to allow the system to enable or disable the onboard USB ports.

Boot Menu



Boot Settings

Boot Device Priority:

Set the boot device options to determine the sequence in which the computer checks which device to boot from. The settings are Removable Dev., Hard Drive, or ATAPI CDROM. The Optimal and Fail-Safe settings are:

1st boot device – Removable Device

2nd boot device – ATAPI CDROM

3rd boot device –Hard Drive



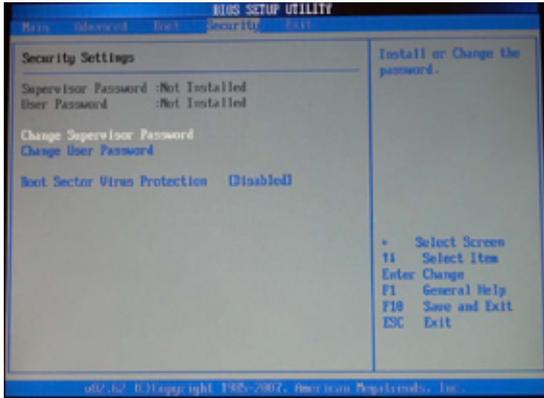
Note: Hard Drive must be configured as 1st boot device to boot up. If there are changes to hard drive, the boot device will be set to "None".

Hard Disk Drives:

Display the Hard Disk information connected to the system.



Security Menu



Security Settings

Change Supervisor Password:

Supervisor Password controls access to the setup utility, has the authority to overwrite User Password.

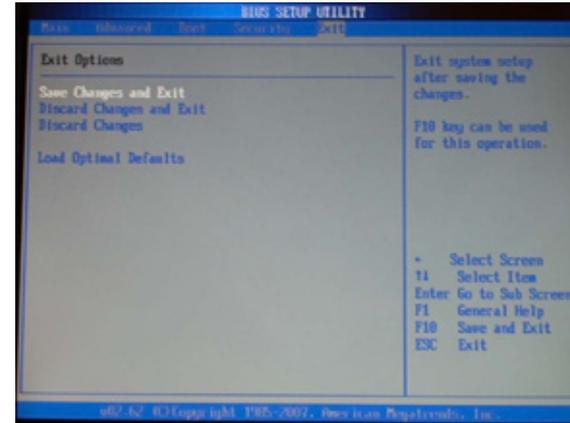
Change User Password:

User Password controls access to the setup utility.

Boot Sector Virus Protection:

Select the options to enable the protection feature to protect the Master Boot Record (MBR) from virus infection.

Exit Menu



Exit Options

Save Changes and Exit

Exit System Setup and save your changes to CMOS

Discard Changes and Exit

Exit utility without saving setup data to CMOS

Discard Changes

Load previous values from CMOS for all SETUP items

Load Optional Defaults

Save Setup data to CMOS

APPENDIX A: INSTALLING DEVICE DRIVERS



Note: The MRC84 already preload all the drivers in the Operating System. In the event that you have performed a clean install of Operating System, and need to install the device drivers, please follow the exact installing sequence to ensure the devices to be properly installed.

Note: Owing to issues pending in IntelR development, please only copy drivers from the CD-ROM to HDD then install from here. Do not install drivers directly from the CD-ROM. NEXCOM is continuously working with IntelR and will update drivers when solutions are delivered

All drivers and APs are saved in CD Driver including the latest function key. In the event that you have reformatted the HDD, be sure to copy all drivers and APs to a local HDD (The Chipset USB_Client driver must be installed from a local HDD).

Device Driver Installation Sequence

We recommend you to create a driver folder for called "MRC84" to the local HDD, (example, D:\MRC84), and copy the drivers to this location. Most of the driver installations are fairly easy. We provide the instruction for USB_TO_COM for your reference.

Be sure to follow the installing sequence as below:

1. Chipset INF
2. Chipset USB_Client (Must be installed from a local HDD)
3. VGA
4. Touch panel
5. USB_TO_COM (Refer to installing procedure below)
6. HD Audio
7. Finger-Print
8. WLAN
9. TPM
10. 3.5G_MC8775
11. Function Key

Instruction to install USB_TO_COM

1. From Desktop, right click your mouse, select <Properties>.



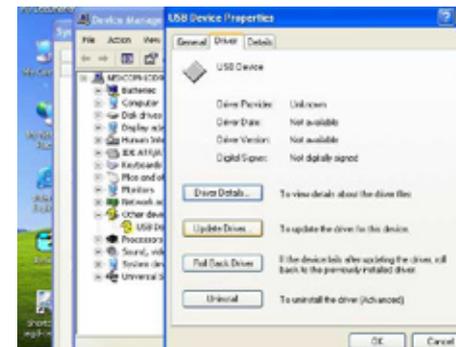
2. From the menu tab, select <Hardware>, then <Device Manager>.



3. In Device Manager, position the pointer to USB Device (with exclamation mark), right click the mouse, and select <Properties>.



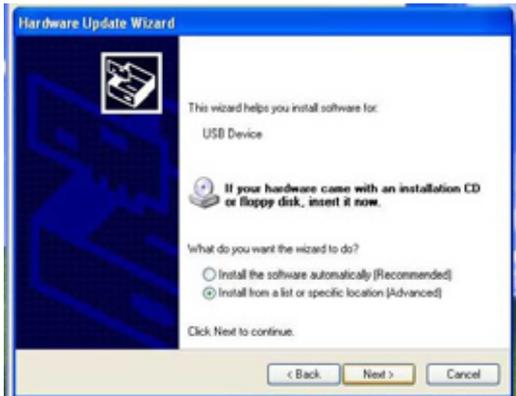
4. In USB Device Properties, select <Update Driver...>



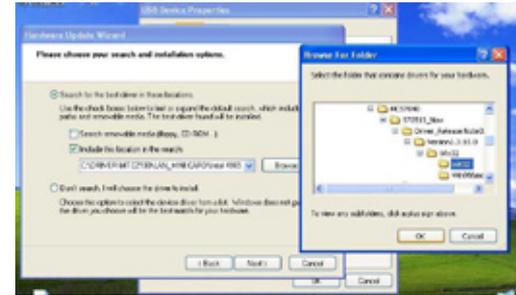
5. In Welcome to the Hardware Update Wizard, select <No, not this time>.



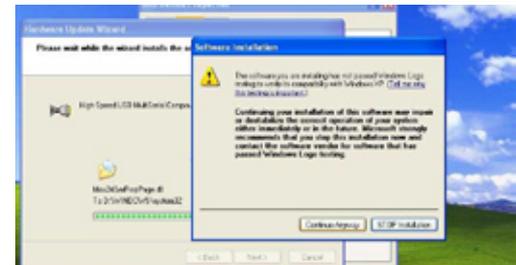
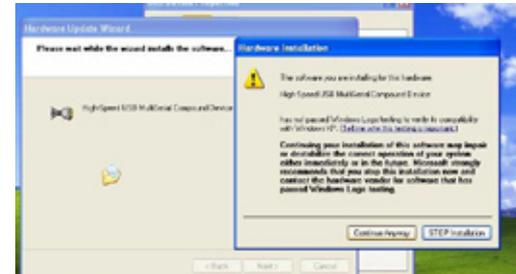
6. In Hardware Update Wizard for install software for USB Device, select <Install from a list or specific location (advanced)>.



7. In Hardware Update Wizard, browse to the driver location.



8. In Hardware Installation, select <Continue Anyway> twice.



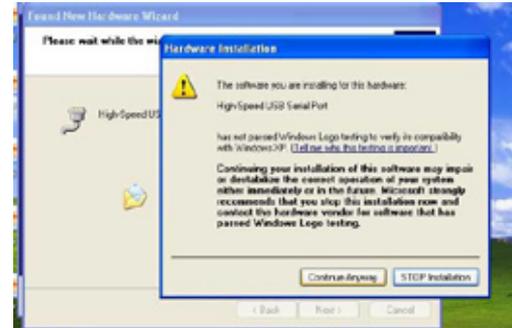
9. In Completing the Hardware Wizard, select <Finish>.



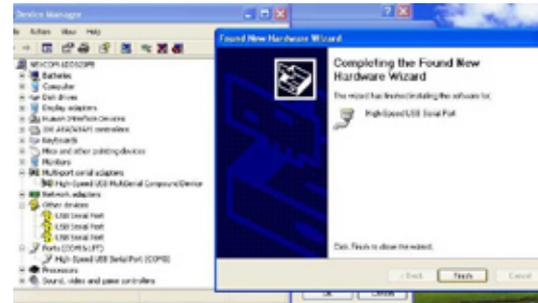
10. Found New Hardware Wizard will find 4 COM ports, need to install Drivers. Select <Next> to continue.



11. In Hardware Installation, select <Continue Anyway>.

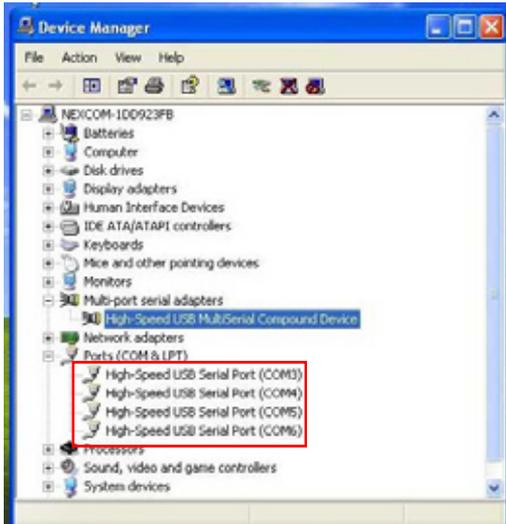


12. Click <Finish> to complete.



13. Repeat 4 times from Step 3 to Step 12 to install other serial ports.

14. In Device Manager, shows all 4 COM ports have been installed successfully.



15. USB to COM driver installation complete.



WETIF Industrie EDV
Sensierstraße 3
D - 82140 Olching

Telefon DE +49 8142 448976-0
Telefon AT +43 664 28 68 223
info@wetif.com www.wetif.com

Techn. Änderungen ohne Vorankündigung und Irrtum vorbehalten. Alle Rechte geschützt.