USER'S MANUAL BF-816 USB to Serial 2 Port

1. Introduction

Congratulations on your purchase of the BF-816 USB to Serial 2 Port. This device provides bridging between the Universal Serial Bus (USB) input and two enhanced UART ports. This device contains all the necessary logic to communicate with the host computer via the USB bus.

2. Package Content

Hardware:

BF-816 USB to Serial 2 Port

Software:

Driver software

3. Product Features

- USB Specification 1.1 compliant
- Supports up to 920Kbps data rate
- Dual Serial Ports
- Supports 8,7,6 & 5 Data widths
- Supports Even, Odd, Mark, Space & None Parities
- Supports 1, 1.5 and 2 stop bits

4. System Requirements

PC

- IBM PC 486DX4-100 MHz or higher or compatible system
- Available USB port
- CD-ROM drive
- Windows[®] 98, Windows[®] ME, Windows[®] 2000, Windows[®] XP, Windows[®] CE

MAC

- Power G3, G4, or I-Mac
- Available USB port
- CD-ROM drive
- Mac OS 10.2 & 10.3 & 10.4

5. Driver Installation

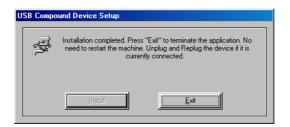
5.1 Windows[®] 98SE & ME & 2000 Installation

NOTICE: Before you install the driver to your computer, please do not connect the BF-816 USB to Serial 2 Port to your computer.

- 5.1.1 Turn on the power of computer and make sure the USB port is enabled and can working properly.
- 5.1.2 Insert the driver of BF-816 USB to Serial 2 Port into CD-ROM drive. Select "Install Products - BF-816 USB to Serial 2 Port - Install".
- 5.1.3 Click the "Install" to continue.



5.1.4 Click "Exit" to end this installation.



5.1.5 Plug the BF-816 USB to Serial 2 Port into USB Port of PC. Windows® will detect an USB Device. Your new hardware is installed and ready to use.

5.2 Windows[®] XP Installation

NOTICE: Before you install the driver to your computer, please do not connect the BF-816 USB to Serial 2 Port to your computer.

- 5.2.1 Turn on the power of computer and make sure the USB port is enabled and can working properly.
- 5.2.2 Insert the driver of BF-816 USB to Serial 2 Port into CD-ROM drive. Select "Install Products - BF-816 USB to Serial 2 Port - Install".
- 5.2.3 Click the "Install" to continue.



5.2.4 When the windows appear as below, click "**Continue Anyway**" to install the driver.

Softwar	e Installation The software you are installing has not passed Windows Logo testing to verify its compatibility with Windows XP. (<u>Tell me why</u> this testing is important.)
	Continuing your installation of this software may impair or destabilize the correct operation of your system either immediately or in the future. Microsoft strongly recommends that you stop this installation now and contact the software vendor for software that has passed Windows Logo testing.
	Continue Anyway

5.2.5 When the windows appear as below, click "**Continue Anyway**" to install the driver.



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5.2.6 Click "Exit" to end this installation.



- 5.2.7 Plug the BF-816 USB to Serial 2 Port into USB Port of PC. Windows® will detect an USB Device.
- 5.2.8 Select "Install the software automatically (recommended)", then click "Next" to continue.



5.2.9 When the windows appear as below, click "**Continue Anyway**" to install the driver.

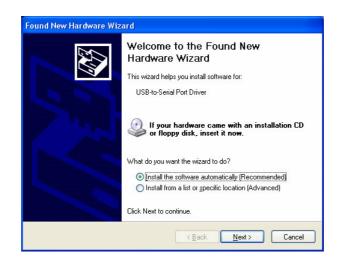


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5.2.10 Click "Finish" to end of Hardware Update Wizard.

Hardware Update Wizard			
	Completing the Hardware Update Wizard		
	The wizard has finished installing the software for:		
100	USB Compound Device		
	Click Finish to close the wizard.		
	< Back Finish Cancel		

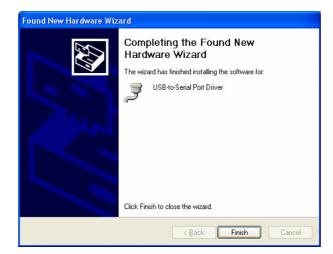
5.2.11 Select "Install the software automatically (recommended)", then click "Next" to continue.



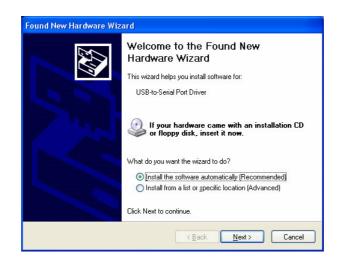
5.2.12 When the windows appear as below, click "**Continue Anyway**" to install the driver.



5.2.13 Click "Finish" to end of Hardware Update Wizard.



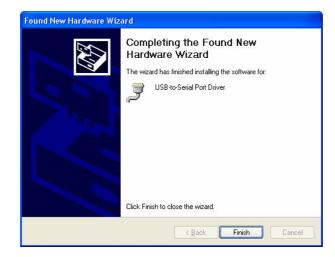
5.2.14 Select "Install the software automatically (recommended)", then click "Next" to continue.



5.2.15 When the windows appear as below, click "**Continue Anyway**" to install the driver.



5.2.16 Click "Finish" to end of Hardware Update Wizard.



5.2.17 Your new hardware is installed and ready to use. You will see some information on the "Device Manager". USB Compound Device
VSB -to-Serial Port Driver(COM3) USB -to-Serial Port Driver(COM4)

🖴 Device Manager	
Eile <u>A</u> ction <u>V</u> iew <u>H</u> elp	
ERIN-J2UG6CU8C2	~
🖻 🧕 Computer	
庄 🥯 Disk drives	
표 🧕 Display adapters	
😟 🥝 DVD/CD-ROM drives	
🖻 🖶 Floppy disk controllers	
🖻 🤳 Floppy disk drives	
🗉 🚍 IDE ATA/ATAPI controllers	
🛨 🥪 IEEE 1394 Bus host controllers	
🕀 🦢 Keyboards	
Mice and other pointing devices	
🗄 📑 Monitors	
🛨 🕮 Network adapters	
Ports (COM & LPT)	
Communications Port (COM1)	
Z Communications Port (COM2)	
ECP Printer Port (LPT1)	
USB-to-Serial Port Driver (COM3)	
USB-to-Serial Port Driver (COM4)	
Recessors	
🔃 🕘 Sound, video and game controllers	~

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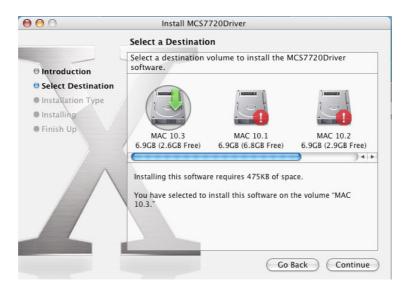
5.3MAC Installation

NOTICE: Before you install the driver to your MAC, please do not connect the BF-816 USB to Serial 2 Port to the MAC.

- 5.3.1 Power on your MAC and make sure that USB port is enabled and working properly. Put the driver CD into the CD-ROM and run the driver of MAC.
- 5.3.2 Select the driver you want to install the package and click "**Continue**" to install.

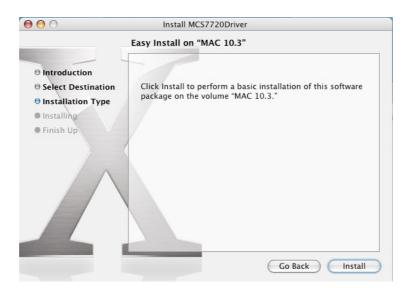
000	Install MCS7720Driver
	Welcome to the MCS7720Driver Installer
 Introduction Select Destination Installation Type Installing Finish Up 	Welcome to the Mac OS X Installation Program. You will be guided through the steps necessary to install this software.
	Go Back Continue

5.3.3 Select hard disk to install, click "Continue".



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5.3.4 Click "Install" to continue.



5.3.5 Select "Continue Installation" to continue.



5.3.6 Select "Restart" will reboot your system.

0 0	Install MCS7720Driver
	Install Software
 Introduction Select Destination Installation Type Installing Finish Up 	The software was successfully installed
	Click Restart to finish installing the software.
	Go Back Restart

5.3.7 Now connect the BF-816 USB to Serial 2 Port device to USB port.

5.3.8 Check whether the driver is loaded by typing "**kextstat**" at terminal (Console). You will see "**com.moschip.driver.moschipusbethernet.kext**" in loaded driver if it is successfully loaded.

00	0	Ter	minal — ba	ash — 80x24
5.0) 🕁	0>			E.
75	1 0x6a2000	0x13000	0x12000	com.apple.driver.Apple02Audio (2.5.0 🚪
b1) <73	72 27>			
76	0 0x6b5000	0×10000	0×f000	com.apple.driver.AppleTexas2Audio (2
.5.0b1)	<75 74 73 72:			13
79	0 0×60f000	0×17000	0×16000	com.apple.iokit.IOFireWireIP (1.2.0)
<31 29	>			Re Republication and Transformer
80	2 0x4d6000	0×12000	0×11000	com.apple.iokit.IOFireWireAVC (1.6.0
) <29 1	0>			
81	1 0×507000	0x33000	0x32000	com.apple.driver.AppleFWAudio (1.1.2
)⊲807	2 29 10>			80 53 57 53 DOMESTIC XX 16 57
82	0 0x53a000	0×3000	0×2000	com.apple.driver.AppleMLANAudio (1.1
	80 29 10>			2 ⁷
83	0 0×408000	0×7000	0x6000	com.apple.driver.AppleADBMouse (2.0.
10) <36	18 10>			R 11 07 11 00 000 0000000000000000000000
84	0 0x425000	0×3000	0x2000	com.apple.driver.AppleI2S (1.0.0d2)
<10>				13 12
85	1 0xb3de000	0×1d000	0×1d000	com.apple.driver.ndrv.ATY,Bee.0xb3df
	0.1b40)			
86	0 0x6cc000	0×6000	0×5000	com.apple.nke.SharedIP (1.3.2) <10>
87	0 0x459000	0×8000	0×7000	com.apple.nke.IPFirewall (1.3) <10> 🖳
88	0 0x444000	0xa000	0×9000	com.moschip.driver.MCS7720Driver (1.
0.4) ⊲6				1
Li-Zen:	~ lizen\$			

5.3.9 You can go to "System Preferences"- "Network". You will see New Port Detected.

·	New Ports Detected
8	New network ports have been detected:
u 0	USB-Serial
	USB-Serial
	Please verify that they are configured correctly, the
	press Apply Now to activate them.
	ОК

6. Setting Up the RS232 Serial Device

Follow the steps below to connect your RS232 Serial Device (i.e.: Modem) to the USB port of your PC:

- 6.1 Turn off your Modem. Plug the DB 9 connector of the BF-816 USB to Serial 2 Port into your Modem. Connect the other end of the BF-816 USB to Serial 2 Port to an USB type A to type B cable. Turn on the Modem afterwards.
- 6.2 Turn on your computer and plug in the USB connector of the USB-Serial adapter into the USB port.
- 6.3 If you have already installed a Modem device before, click Start, Settings, and Modems. Open Modems Properties, select the Modem, and click Properties. In General tab, please change the Port value to USB to Serial Port (COM3).
- 6.4 After finishing these processes, you can use USB to Serial Bridge Cable to connect RS232 Serial 56K FAX Modem and execute the Dial-up function to connect Internet, and send the FAX with the FAX software (i.e.: Microsoft FAX) properly.

Standard 56000 bps V90 Modem Properties	? ×
General Connection	
Standard 56000 bps V90 Modem	
Port: USB to Serial Port (COM3) Communications Port (COM1) Speak USB to Serial Port (COM3) Virtual Infrared COM Port Off On	
Maximum speed	
115200	
Only connect at this speed	
OK (Cancel

7. Disclaimer

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8. FCC Statement

This device generates and uses radio frequency and may cause interference to radio and television reception if not installed and used properly. This has been tested and found to comply with the limits of a Class B computing device in accordance with the specifications in Part 15 of FCC Rules. These specifications are designed to provide reasonable protection against such interference in a residential installation. However, there is no guarantee that interference will not occur in a particular installation. If this device does cause harmful interference to radio or television reception, which can be determined by plugging the device in and out, the user can 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 device and receiver.
- Connect the computer 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



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