FUNCTION #1 & #2		
SPECIFICATIONS	MK21FBP	MK41FBP
Number of Parallel Device Output Ports	1	1
Number of Computer Input Ports	2	4
Cable Type Required	IEEE1284 Cables	
Computer to AutoSwitch	DB25M/M (CC405D)	
Device to AutoSwitch	DB25M/Cen26M (CC404D)	
Maximum Cable Distance	5 Meters	
Maximum Transfer Rate	2MBytes/Sec	
Number of Device LEDs	Non	
Computer Input Port LEDs	2	4
Computer Input Port Selection	Auto / Manual	
Time Out Selection	5, 10, 20, 40 sec	
File Transfer Port	A - B	A - B, C - D
Dimension (mm)	104 x 93 x 21	184 x 93 x 21
Weight	130	225
Operation Temperature	5 - 40 Celsius	
Optional Power Adaptor	DC9v 500mA	
Certification	FCC, CE	

FUNCTION #3 (Reverse Mode)		
SPECIFICATIONS	MK21FBP	MK41FBP
Number of Parallel Device Output Ports	1	1
Number of Computer Input Ports	2	4
Cable Type Required	IEEE1284 Cables	
Computer to AutoSwitch	DB25M/M (CC405D)	
Device to AutoSwitch	DB25M/Cen26M (CC404D)	
Maximum Cable Distance	5 Meters	
Maximum Transfer Rate	2MBytes/Sec	
Number of Device LEDs	Non	
Computer Input Port LEDs	2	4
Computer Input Port Selection	Manual / Software	
Dimension (mm)	104 x 93 x 21	184 x 93 x 21
Weight	130	225
Operation Temperature	5 - 40 Celsius	
Optional Power Adaptor	DC9v 500mA	
Certification	FCC, CE	
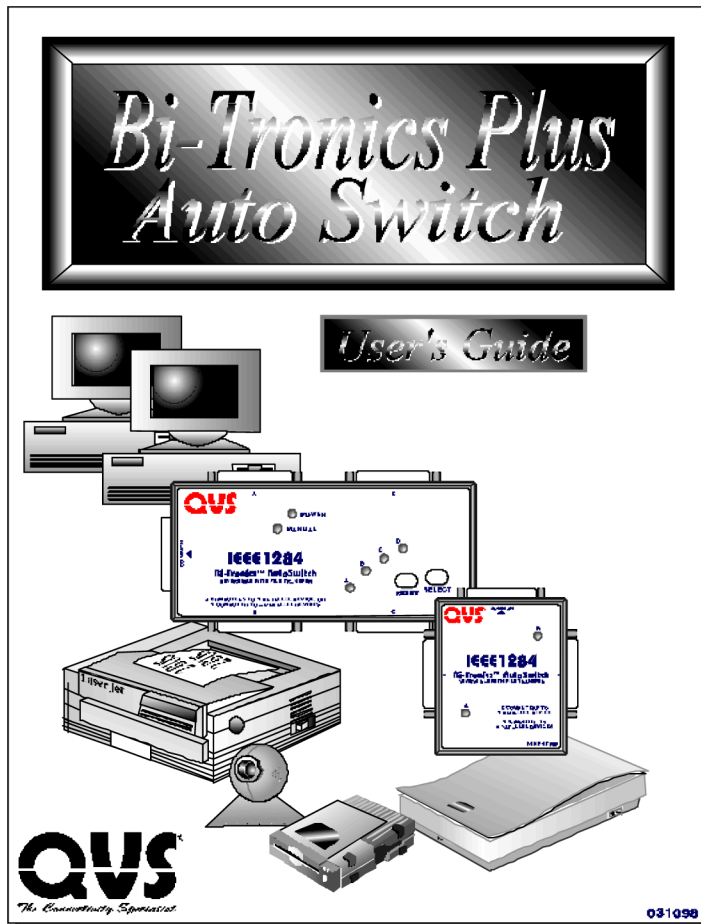
IEEE1284
PARALLEL AUTOSWITCHES

The IEEE1284 standard is commonly found on most of the printers today. It enables bidirectional communication between PC and the printer to allow printer informations to be sent back to the host PC using it's built-in microprocessor. The MK21FBP & MK41FBP Level 5 IEEE1284 Autoswitch supports full compatibility with IEEE1284 including centronics, nibble, special nibble, byte, Enhanced Parallel Port (EPP), and Enhanced Communication Port (ECP). It is reversible which means it could go from one computer to two parallel device or two computers to one parallel device, features manual & auto mode channel port selection, and works with DOS, Windows 3.1, Windows 95, and Windows 98.

The autoswitch supports IEEE1284 parallle devices such as Zip Drive, Scanner, CD-ROM, Back-Up Tape, Digital CCD Camera, External Hard Drive, and Ethernet Adaptor.

➲ UP TO FOUR COMPUTERS SHARING ONE PRINTER OR
   IEEE1284 DEVICE, REVERSIBLE

➲ ONE COMPUTER SHARING UP TO FOUR PRINTERS OR
   IEEE1284 DEVICES, REVERSIBLE

➲ RECOMMENDED CABLES:
   INPUT: DB25M/M FOR PC DB25F PORT (CC405D), OR
            DB25M/HPCEN36M FOR PC HPCEN36F PORT (CC408D)
   OUTPUT: DB25M/CEN36M FOR PRINTER WITH CEN36F PORT (CC404D)
            DB25M/HPCEN36M FOR PC HPCEN36F PORT (CC408D)

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Quick Start

FOUR EASY STEPS TO SET-UP YOUR BITRONICS PLUS AUTOSWITCH
(1 - 2, 1 - 4 Settings)

1. Be sure to turn OFF all power to your computers and printers.

2. Using an IEEE1284 straight thru DB25M/M (QVS CC405D), connect your computers to the Auto Switch.

3. Using an IEEE1284 parallel cable (QVS CC404D), connect your printer to the Auto Switch.

4. Now, turn ON the power to your Auto Switch, computers, and printers. All computers will print to the printer on a first come, first serve basis.

Please print the "README" file on the diskette for autoswitch software driver setup instructions.

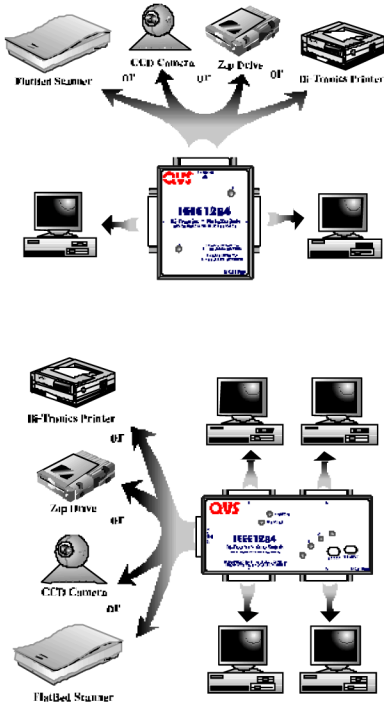## For Additional Technical Support:
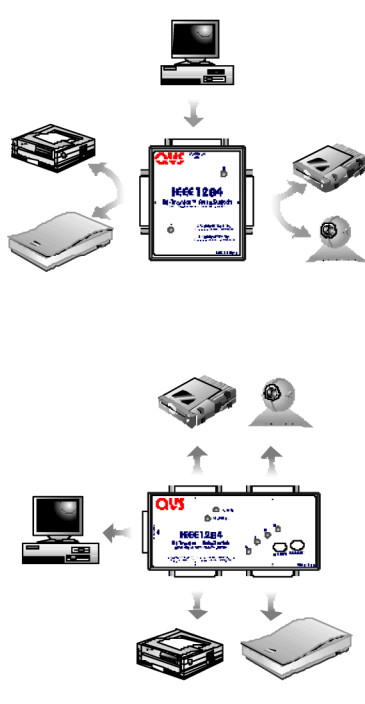
(734) 641-6700
techsupport@qvs.com

❏ MK21FBP   ❏ MK41FBP

http://www.qvs.com/qvsguide/mkx1fbp.html

DIP Switch Setting

Two / Four PCs Sharing One Parallel Device
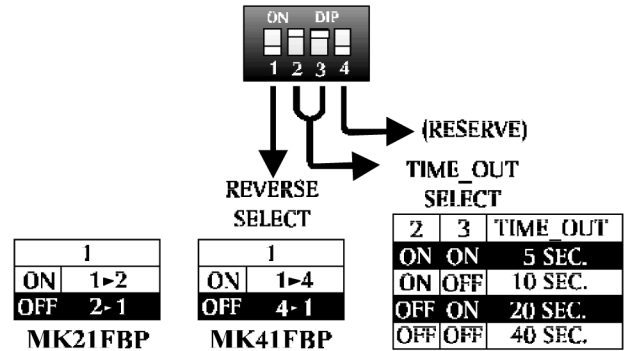(Set the DIP Switch #1 to OFF Factory Default)

One PCs Accessing Two or Four Parallel Device
(Set the DIP Switch #1 to ON)

Time - Out Settings
Located on the side of the AutoSwitch enclosure with a bank of four small, numbered DIP switches.

2	3	TIME OUT
ON	ON	5 SEC.
ON	OFF	10 SEC.
OFF	ON	20 SEC.
OFF	OFF	40 SEC.

REVERSE SELECT

1	
ON	1▶2
OFF	2-1

MK21FBP

1	
ON	1▶4
OFF	4-1

MK41FBP

"Reverse" Mode
The factory default mode of MK21FBP and MK41FBP is DIP switch #1 set to OFF. When set to ON, the switch will be in Reverse Mode.

"Reset" Push Button
If the LEDs for computers do not flash alternately and at the same time, non of the computer ports can communicate to the parallel device, the switch needs to be reset for synchronization between computers and parallel devices. Or if one computer runs parallel device's software to lock the port at all time, user can use the reset function to force the switch to return to Auto Link Mode

"Auto-Link" Mode
The autoswitch will constantly scan it's input ports and send the job to the attach parallel device. The cycle start from Port A, B, C, D, then A again (MK41FBP).

"Manual" Mode
Both the MK21FBP & MK41FBP has a "Select" button for manual port selection. When the autoswitch is first power ON, it is on AutoLink Mode. After pressing the "Select" button, it will be on manual mode. Pressing the "Select" button completing one cycle will put the autoswitch back in AutoLink Mode.


Software Selection Mode

This autoswitch comes with a driver diskette that contains driver software for DOS, Windows, and Windows 95/98 to set appropriate autoswitch working mode which include Function #1 (Default), Function #2 (File Transfer Mode), and Function #3 (Reverse Mode). The printer selection utility for the autoswitch lets you change your parallel device selection from your computer.

Please print the "README" file on the diskette for autoswitch software driver setup instructions.

File Transfer Mode

Use the software selection utility to setup the autoswitch to "File Transfer" mode. the MK41FBP offers the file transfer function between Computer "A" and "B", and Computer "C" and "D".
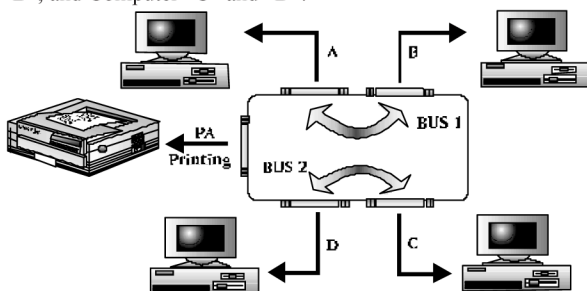
Please refer to your file transfer software manual on how to use your parallel port for file transfer.

TroubleShooting

1. **Check all the cables**. It is highly recommended that you used an IEEE1284 cables.

2. **Used the optional AC power adaptor.** The autoswitch usually powered by the signal drawned from the computer and parallel device parallel port. However, if the computer or the device failed to supply enough power to the autoswitch, a DC 9v 500mA power adaptor can be used. It is highly recommended to use the power adaptor on InkJet and DeskJet printers.

3. **Adjust the time out.** If you print long document files with graphics, or use printer spooler, adjust the time out to a higher value. This is because as the computer process complex file, it will pause more often. If the pause is longer than the time out window, the autoswitch will assume that the transmission is over and prematurely finishing the job.

For Additional Technical Support:
(734) 641-6700 EST
techsupport@qvs.com

❏ MK21FBP   ❏ MK41FBP

http://www.qvs.com/qvsguide/mkx1fbp.html