

User Instructions for USB-912-FS and USB-912H-FS Series PC Keyboard Footswitch Systems

DESCRIPTION

The USB-912-FS and the USB-912H-FS are USB Keyboard Footswitch Systems that are a PC productivity tool. Both units allow hands free entry of up to four selected keys by operating one or two compact single or dual action footswitches. The USB-912H-FS has a 2 Port Hub on board allowing the user to plug in other USB devices into it.

Model #	USB-912-BA Base Unit W/O Hub	VIP-912-SW Single action Switch	VIP-912-SW2 Dual action Switch	USB-300-06 Type A-B USB Cable
USB-912-FS1	1	1	-	1
USB-912-FS2	1	-	1	1
USB-912-FS3	1	2	-	1
USB-912-FS4	1	1	1	1
USB-912-FS5	1	-	2	1

Model #	USB-912H-BA Base Unit With Hub	VIP-912-SW Single action Switch	VIP-912-SW2 Dual action Switch	USB-300-06 Type A-B USB Cable
USB-912H-FS1	1	1	-	1
USB-912H-FS2	1	-	1	1
USB-912H-FS3	1	2	-	1
USB-912H-FS4	1	1	1	1
USB-912H-FS5	1	-	2	1

PREPARE FOR OPERATION:

ALL CONNECTIONS SHOULD BE MADE WITH THE PC POWER OFF!!

1. **Connect Footswitch to Controller Unit:** All footswitches are connected to the Controller Unit by plugging in its cable into either one of the two 5 pin DIN female connectors on the Controller unit. If the customer has purchased the Controller unit only and is providing their own footswitches (normally open pair of contacts) then the following pins must be wired for each desired footswitch.

FS1	Pins 1 and 4
FS2	Pins 2 and 3
FS3	Pins 1 and 4
FS4	Pins 2 and 3

2. **Connect Controller Unit to the PC:** Use the Type A-B USB cable supplied with the Controller unit to connect the Controller unit to the PC's USB port. This cable should be connected from the connector marked "TO PC USB PORT" to the PC. The Controller unit (USB-912 models only) is powered from the PC via this cable. The Controller unit should be connected to the PC only while the PC is powered down.

3. **Connect USB Device to Controller Unit (USB-912H Models only):** Use the captive cable of the USB device to connect the unit to the Type A connectors on the Controller unit marked "DEVICE 1" or "DEVICE 2".

FOOTSWITCH CODE SELECTION

The key codes produced by the footswitch are usually set at the factory as specified by the customer. It is possible to change this code to any key if your requirements change in the future.

To change key codes, open the Controller unit by removing the two recessed screws on the bottom of the unit. Remove the cover. Locate the large field of jumpers positioned just above the part number silk screened in the center of the board. The jumpers are arranged into two banks, each with four rows. Bank A is on the left and bank B is on the right.

For each footswitch, two jumpers must be placed, one in each bank. The jumper blocks for each footswitch are labeled as follows:

Bank A	Bank B	Footswitch #
P1	P4	FS1
P3	P2	FS2
P5	P8	FS3
P7	P6	FS4

Find the desired keycode in the Code table below. For each footswitch, the jumper in bank A sets the table column. The jumper in bank B sets the table row. Position the jumpers to correspond to the desired row and column in the Code Table. For each jumper row, position 1 is on the left.

Please note carefully, the rows in bank A and B for each footswitch are NOT adjacent. For example, P1 for FS1 is in the first row, But P4 for FS1 is in the second row.

Encoding Table for USB-912-FS USB Keyboard Accessory Footswitch

BANK	A8	A7	A6	A5	A4	A3	A2	A1
B1	NUM 0	NUM 1	NUM 2	NUM 3	UP ARW	DN ARW	LF ARW	RT ARW
B2	NUM 4	NUM 5	NUM 6	NUM 7	ESC	L SHIFT	LF ALT	LF CTL
B3	NUM 8	NUM 9	NUM ENT	NUM .	F1	F2	F3	F4
B4	NUM +	NUM -	NUM *	NUM /	F5	F6	F7	F8
B5	a	b	C	d	k	l	m	n
B6	e	f	G	h	o	p	q	r
B7	l	j	INS	DEL	s	t	u	v
B8	HOME	END	PG UP	PG DWN	w	x	y	z
B9	F9	F10	F11	F12	,	.	/	[
B10	1	2	3	4]	`	TAB	NUM LK
B11	5	6	7	8	SCR LK	CAPS LK	-	=
B12	9	0	ENTER	BK SP	\	;	'	SPACE
B13	WINAPP	RTWIN	LFTWIN	PRT SCR	PSE	RT SHIFT	RT CNTL	RT ALT
B14								
B15								
B16								

FEDERAL COMMUNICATIONS COMMISSION

This equipment has been tested and found to comply with the limits of a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when 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 instruction manual, may cause harmful interference to radio communications. Operation of this

equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at their expense.

CE

This equipment has been tested and found to conform to the directives and standards for a Class A Information Technology Equipment type and for Commercial Light Industrial equipment class.

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