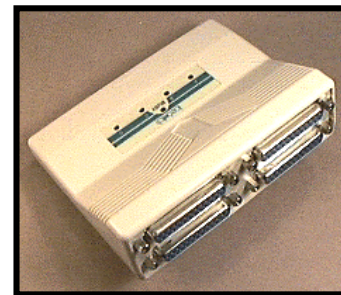


# Connect Up To Four Printers To One Parallel Port

## Model ICE-104P

### Introduction

Eliminate the need for extra LPT ports. The **ICE-104P** is a four-port, code-activated switch for the parallel port. The supplied software allows you to switch from Port A to Port D, or broadcast to two or all four connected printers. The unit is self-powered from each of the connected ports. For applications where power cannot be derived from the ports, a 9 VDC power supply is available. Ports can be selected using hot keys with a TSR, from the command line, or from a Windows program. There is also a manual switch for port selection. The ICE-104P has 5 female DB-25 connectors, and LEDs showing which ports are selected. Dimensions: 4.75"W x 4.0"D x 1.75"H.



### System Requirements

- IBM PC/XT/AT/PS-2 or 100% compatible.
- MS-DOS version 3.3 or above.
- At least 64K bytes of memory.
- At least one Parallel Port (Printer Port).
- One 5.25" floppy drive.

### Installation

If you have a hard disk, you can copy all the programs to a directory for later use by the following process:

1. Place the System disk in you floppy A:.
2. At the "A:>" DOS prompt type "INSTALL C:" or "INSTALL D:" depending on which driver you want to install.

The **INSTALL** Batch file will copy all the necessary files to your hard disk and place them in directory <ICEWARE>. Under <ICEWARE> directory, there are two subdirectories <ICP12> and <ICP14>. <ICP12> contains the programs for 1 to 2 parallel switch and <ICP14> for 1 to 4.

### How To Use ICP12.EXE & ICP14.EXE

#### a. ICP12.EXE Command Line Options

Usage: **ICP12** [option1] | [option2]

Option1:    Function

- /1           Select LPT1
- /2           Select LPT2
- /3           Select LPT3
- /4           Select LPT4
- /A           Switch output to Port A
- /B           Switch output to Port B
- /C           Switch to broadcast mode

Option2:

- /R           Install ICP12.EXE and keep it resident in memory
- /U           Remove ICP12.EXE and release memory

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**b. ICP14.EXE Command Line Options**Usage: **ICP14** [option1] | [option2]

Option1:	Function	Option1:	Function
/1	Select LPT1	/D	Switch output to Port D
/2	Select LPT2	/E	Switch to A, B
broadcast mode			
/3	Select LPT3	/F	Switch to C, D
broadcast mode			
/4	Select LPT4	/G	Switch to A, B, C, D
broadcast mode			
/A	Switch output to Port A		
/B	Switch output to Port B		
/C	Switch output to Port C		

Option2:

/R	Install ICP14.EXE and keep it resident in memory
/U	Remove ICP14.EXE and release memory

**c. Some examples of using ICP12.EXE and ICP14.EXE**

1. When your 1 to 2 switch is connected to LPT1, you may type "**ICP12/A**" instead of "**ICP12/1/A**" to select LPT1 and switch the output port to Port A. However, if your switch is connected to an LPT port other than LPT1, you should use another option **/2**, **/3** or **/4** to select the correct LPT port. For example: If your switch is connected to LPT2, you should type "**ICP12/2/B**" to select LPT2 and switch the output port to Port B.
2. If you need to switch the output port frequently, you can simplify the process by typing "**ICP12/R**" to load program and keep it resident in memory. Then you can use **hotkeys** to invoke the functions whenever you like. You can also type "**LH ICP12/R**" to load program in Upper Memory if your DOS Version is 5.0 or above and EMM386.EXE is correctly installed (See DOS 5.0 User Manual for details). To remove program and release memory, type "**ICP12/U**".
3. The operation of **ICP14.EXE** is similar to that of **ICP12.EXE**.
4. Use **SETHKEYP.EXE** to change **hotkeys** if they conflict with the function keys of other software packages.

**How To Use SETHKEYP.EXE**

1. To use **SETHKEYP.EXE**, you must assure that **ICP12.EXE** or **ICP14.EXE** is in the same directory and type "**SETHKEYP**" at the DOS prompt. You can use it to change **hotkeys** or just check the current **hotkey** status.
2. To change a **hotkey**, first move light bar to the desired function, then enter hotkey combination. You may use any combinations as long as the BIOS recognizes it, but it must have at least one of the following keys : **LShift**, **LCtrl**, **LAlt**, **RShift**, **RCtrl** and **RAlt** (**L** and **R** mean Left and Right keys on your keyboard). For example: you may first press and hold **LCtrl**, **LAlt** keys (no matter which one comes first), then press **F1** key without releasing the first two to define a **hotkey**. At the same time, the light bar will display the **hotkey** you have just defined. But if you enter an illegal **hotkey**, it will not be accepted and the former one will remain unchanged.
3. When you press **ESC** key, the cursor will go directly to Exit light bar. Then you can press the **Enter** key to quit this program. If you have modified any **hotkey definition**, the "**Save Hotkey definition?(Y/N):**" message will appear. Type "**Y**" to save new **hotkey definitions** or type "**N**" to leave it unchanged.

**How To Use WICP12.EXE**

1. **WICP12.EXE** is a Window version program. You can't run it under DOS prompt. When you enter Microsoft Windows, you can use program manager's **RUN** command to execute it or use **NEW PROGRAM ITEM** command to add it to a program group for later use (see Microsoft Windows User Manual for details).
2. When **WICP12** window displays, first select one button each in the LPT port and Output port, then click the **Switch button** to execute switching.
3. The operation of **WICP14.EXE** is similar to that of **WICP12.EXE**.

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