



# KE18-XTAT-PS2 Protocol Converter User Manual



Thank you for purchasing the  
**HAGSTROM ELECTRONICS, INC.**  
KE18-XTAT-PS2.

Please take a few minutes to read this  
manual before using your KE18-XTAT-PS2.



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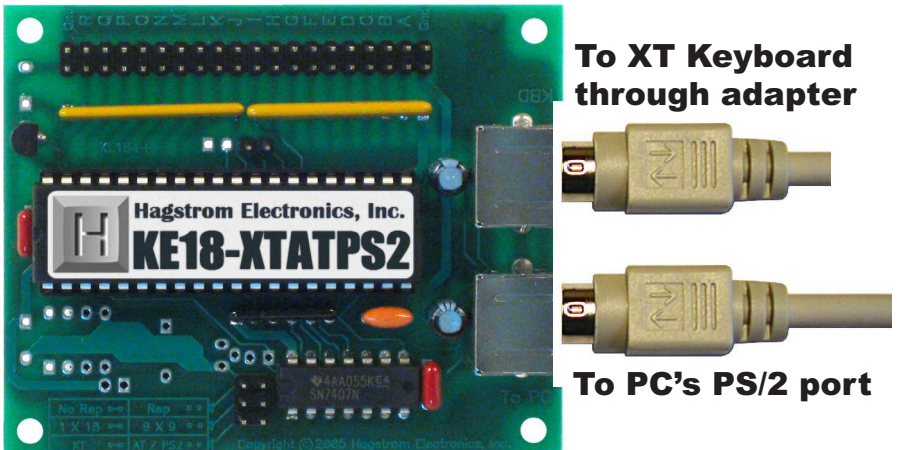
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# Introduction to the KE18-XTAT-PS2

The KE18-XTAT-PS2 device is a product designed to convert the output of an XT style keyboard into a PS/2 Keyboard. Signals from the XT keyboard are received by the KE18-XTAT-PS2 and converted into corresponding PS/2 protocol keystrokes for use on any computer that supports a standard PS/2 type keyboard.

## Quick Setup

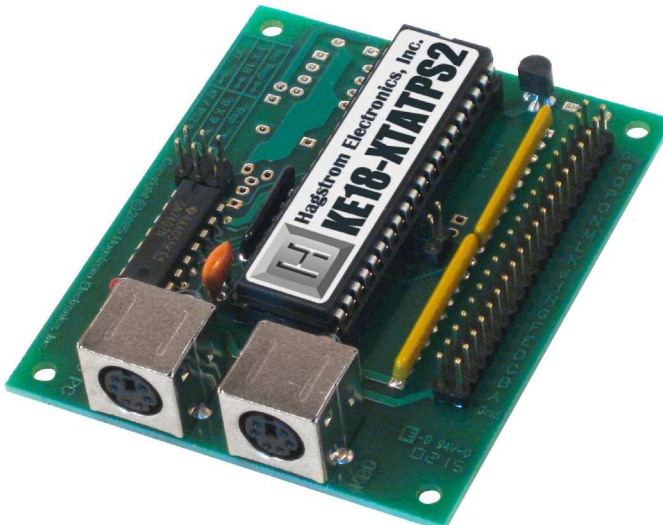
- 1) Attach the XT keyboard cable to the 5 pin Female DIN connector of the adapter connected to the KE18-XTAT-PS2.
- 2) Power down the PC. Connect the male to male PS/2 cable included with the unit to the KE18-XTAT-PS2 connector marked "To PC". Connect the other end of the PS/2 male to male cable to the PC's PS/2 keyboard input connector. The KE18-XTAT-PS2 is powered directly from the PC's PS/2 port, no external power is required.
- 3) Turn on the PC. Type on your XT keyboard as normal.



## Notes on Operation

The KE18-XTAT-PS2 is powered from the PS/2 port of the target computer. No external power is needed.

The status LEDs on an XT style keyboard for Num Lock, Caps Lock, and Scroll Lock, if present, are local functions on the keyboard. With modern keyboards these status LEDs are commanded by the PC. With the XT keyboard, they are controlled locally on the keyboard, with no synchronization with the PC's status for these functions. To achieve proper operation, simply make sure that the PC's status light default settings match the default state of the XT keyboard status lights at PC power up.



## KE18-XTAT-PS2 Specifications

<b>Operating Voltage</b>	5 Volts DC +/- 5%
<b>Operating Current</b>	100 ma Typical
<b>Operating Temp.</b>	0 to 70 Degrees C
<b>PC Interface</b>	PS/2 port on Target PC
<b>Cable Length</b>	3 feet PS/2 miniDIN
<b>Keyboard Protocol</b>	XT Type Only - 5 pin DIN

## **Custom KE18-XTAT-PS2 Options**

We offer custom and special modifications to our standard KE18-XTAT-PS2 unit to conform to your exact specifications. Please contact us if you have special requirements not found on the standard unit.

### **Questions or Comments?**

Please give us a call!

Toll Free

**888-690-9080**

or visit us on the web

**[www.hagstromelectronics.com](http://www.hagstromelectronics.com)**

email: **[sales@hagstromelectronics.com](mailto:sales@hagstromelectronics.com)**

## Warranty

**HAGSTROM ELECTRONICS, INC.** warrants this product against defects in material or workmanship for a period of ONE YEAR from the original purchase date. We will repair or replace (at our option) the returned defective unit at no charge during this warranty period.

No responsibility is assumed for any special, incidental, or consequential damage resulting from the use of or inability to use this product. In no case is **HAGSTROM ELECTRONICS, INC.** to be liable for any amount which exceeds the purchase price of the unit, regardless of the claim.

No other warranty, written or verbal, is authorized. This warranty is applicable only to units sold in the United States. Units sold outside the United States are covered by a similar warranty.

Depending on the state in which you live, you may have additional rights.

Great care has been taken during the assembly, testing, and burn-in of your KE18-XTAT-PS2 to ensure its performance. If you have any questions, please send us an email or give us a call. Support is available Monday through Friday, 8:00 am to 5:00 pm (EST).

customer service email: [\*sales@hagstromelectronics.com\*](mailto:sales@hagstromelectronics.com)

Call Toll Free **888-690-9080**, or **(540) 465-4441**

**NOTICE** The KE18-XTAT-PS2 product is designed to be used by technically oriented computer users. When the KE18-XTAT-PS2 is in use, your computer's signals and voltages are present on the unit. Prudent handling and packaging is necessary to prevent damage to your computer.

Your keyboard encoder is designed for OEM use, and is not FCC part 15 approved. Because the packaging and use of the product will directly affect the characteristics of the unit, it is the responsibility of the purchaser to obtain final approval of their application, if required.



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