

Unitech
K22 Keypad Series
User's Manual

*Please read before using
with your system*

INTRODUCTION - K22 SERIES

K22 Keypad is a sleek, and compact numeric keypad featuring 22 keys and an RS-232 serial port interface (R version) or a keyboard port interface (AT & PS/2 versions or USB port)

Excellent for numeric entry, this new design is also perfect for use with any compact, book sized, or notebook PC.

KEYPAD FEATURES

- Fully compatible with IBM PC XT/AT for R versions
(or PS/2 for P version, PS/2& AT for PA version, USB for USB version).
- Operates as an additional keypad (or as small stand alone numeric pad in DOS or Windows environments.
- Highly reliable mechanical key switches with tactile click and sound touch feeling.
- Auto repeat functions.
- Two key roll over.
- 20 million life cycle switch.

SYSTEM REQUIREMENTS

In order to use your keypad, you must have the following equipment and software:

- IBM PC XT/AT or 100% compatible
- DOS 3.3 or later version
(Also operates under Windows 3.X or later version)
- At least 64K bytes of memory
- RS-232C serial interface port (for R version only)
- One 3 ½" floppy disk driver (for R version only)

SPECIFICATIONS

- Insulation Resistance: 50 M Ω at 250V DC
- Operating temperature: -10°C ~ 50°C (14°F ~122°F)
- Storage temperature: 10°C ~ 60°C (14°F ~140°F)
- Contact Resistance: 0.3 Ω (max)
- Current Consumption: <8mA (max)
- Operating Voltage: +5V DC \pm 10%
- Key Travel: 4 mm \pm 0.5mm
- Life Time: 50 X 10 cycles
- Cable Length: 1.5 Meters \pm 10%
- Dimensions: 158 (L) X 108 (W) x 33 (H) mm (6.2" X 4.3" X 1.3")

HARDWARE INSTALLATION

For R version, plug the female D Type 9 pin keypad cable connector into the RS-232 port (COM1 or COM2).

For A& P Versions, plug the connector into the keyboard port.

For USB versions, plug the connector into the USB port.

SOFTWARE INSTALLATION

(For R Version only)

To install the DOS Device Driver for Keypad

The keypad is easy to install. To perform installation, make a backup copy of your keypad driver diskette, then insert the back-up copy in a floppy drive and perform the following steps:

- Copy the keypad file: copy A KP.COM
- Then type: KP / X

where X is the port that your Keypad is connected to:

A: To automatically detect which communication port is attached to the keypad and it select if available.

1: To select COM1, even if in use. (IRQ = 4, I/O address = 3F8H)

2: To select COM2, even if in use. (IRQ = 3, I/O address = 2F8H)

U: Unload KP driver and release memory

If you want to run the keypad driver at boot time, modify your AUTOEXEC.BAT file on the root directory of your boot disk to contain the following line:

```
(DRV : \) PATH_DIRECTORY \) KP / X
```

Remember to either re-execute AUTOEXEC.BAT or to reboot the computer system in order to load the keypad driver into system memory.

NOTE: The K22 22R version has function key operation. To use the function keys such as f1, f2, just press and hold the “Fn” key located on the upper-high right-hand corner, and then type the desired function key.

- **To install the Windows Device Driver for Keypad:**

Place your keypad driver diskette in your selected floppy drive.

Under Windows Environment run the File:

SETUP.EXE

which resides on the keypad driver diskette. A Windows dialog box will appear and guide you through the installation procedure. After completing installation, you will be prompted to restart Windows in order to properly load the driver into the system.

FCC RADIO FREQUENCY INTERFERENCE STATEMENT

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. Operation is subject to the following two conditions.: (1) this device may not cause harmful interference, (2) this device must accept any interference received, including interference that may cause undesired operation. These limits are designed to provide reasonable protection against harmful interference in a residential installation. However, there is no guarantee that interference will not occur in a particular installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio or television reception, which can be determined by turning the equipment off an on, the user is encouraged to try to correct the interference by one or more of the following measures.

- Re-orient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment 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.

“Shielded interconnect cables” and/or “shielded power cords” must be employed with this equipment to insure compliance with the pertinent RF emission limits governing this device. Changes or modifications not expressly approved by the party responsible for compliance could void this FCC approval.